Q. N	Folder Number & Question Code	Торіс	Que Opti	stion with Ans ions	swer	Image (If Any	7)	Correct Answer (Option-A, B, C, D)
1	26_270 Mathematics 1667	Rational Numbers	How r there (exclu	many whole number between 1 lakh and Iding both)?	s are 1 crore			С
				Answer	Ontion			
		Ontion A		Ontion P	Option		On	tion D
			1				<u> </u>	
		900000		990000	9899999	9	100	00000
2	26_270 Mathematics 1668	Rational Numbers	Whic to 13	h of the following i ² ?	is equal			В
					0.11			
				Answer	Option	IS		
		Option A		Option B	Optior	n C	Op	tion D
		13 ⁷ /13 ⁶		136/134	$12^{2}+1^{2}$		13	3/135
3	29_270 Mathematics 11373	Rational Numbers	9.03 (to	divided by 899.8 is	closest			A
				Answer	Option	IS		
		Option A		Option B	Optior	n C	0p	tion D
		0.01		0.001	1		100	
4	19_269 Mathematics 2731	Rational Numbers	What small and t negat	do you get on add est 2-digit positive he smallest 2-digit tive integer?	ling the integer			C

				Answe	r Option	IS		
		Option A	ł	Option B	Optior	ı C	Opt	ion D
		0		-20	-89		-109	
					ł			
5	19_269	Rational	p and	l q are two numbe	ers such			D
	Mathematics	Numbers	that	o x q is an integer	but p - q			
	2748		is NO	T an integer. Whi	ch of the			
			follo	wing could be the	values			
			ofpa	and q?				
				Answe	r Optior	IS		
		Option A	1	Ontion B	Ontior		Ont	ion D
		-4,4	-	4,4	1/4 , 1/4	4	4,1/	<u>'4</u>
				,			, ,	
6	27_270	Rational	What	t is the number m	idway			С
	Mathematics	Numbers	betw	een 12345 and 54	321?			
	8383							
				Answe	r Option	IS		
		Option A	A	Option B	Option	n C	Opt	ion D
		20988		32423	33333		4197	6
				• •		•		
7	27_270	Rational	Whic	h of the following	is			A
	Mathematics	Numbers	close	st to 0.1?				
	8387							
				Answe	r Option	IS		
		Option A	ł	Option B	Optior	ı C	Opt	ion D
		0.09		0.12	1		1/5	
			Γ_			1		
8	27_270	Rational	For w	hat value of k is t	he	k -	5	C
	Mathematics	Numbers	expre	ession undefined	ť	1 .	~	
	8390					K +	- 3	

				Answer	Option	IS		
		Option A	l	Option B	Option	n C	Option D)
		0		3	-3		5	
9	27_270 Mathematics 8393	Rational Numbers	An op follov and y	peration is defined vs: For what values v is x, y = 6?	as s of x	x ▲ y = .	$\frac{(x+y)}{y}$	C
					0.11			
				Answer	Option			
		Option A	4	Option B	Option	<u>1 C</u>	Option L)
		respectivel	v	respectively	respecti	velv	respectivel	v
10	27 270	Rational	, In wh	ich of the followin	g cases		D	7
	Mathematics 8394	Numbers	will th numb	ne result be a nega per?	tive			
						•		
				Answer	Optior	15	1 -	
		Option A	<u>\</u>	Option B	Option	<u>1 C</u>	Option D)
		- 1 + 2 - 3 + 19 + 2	4 - 0	(- 1) x (-2) x (-3) xx (-19) x (- 20)	(- 1) x (2 (4)x (20)	2) x (-3) x (-19) x	1 - 2 + 3 - 4 19 - 20	+
11	28_270 Mathematics 10033	Rational Numbers	A pizz slices the p if you	za is divided into ed as shown. What p izza below would r i ate two of the slic	qual art of emain ces?	X		C
				Answer	Optior	15		
		Option A 0.4	A	Option B 0.6	Option 0.667	n C	Option D 0.775)
12	28_270 Mathematics 10038	0.4 Rational Numl Numbers the for is not ration numb ration 12		bers that can be wo form m/n are integ equal to 0 are call hal numbers. Whic pers in the list belo hal numbers? 12/5	ritten in gers and ed h of the w are , 12.5,		D	

				Answer	Option	IS		
		Option A		Option B	Optior	n C	0p	tion D
		12 and 12/5	5	Only 12/5	Only 12		All	of them
							1	
13	28_270 Mathematics 10040	Rational Numbers	Two i are ca Accoi	numbers whose su alled 'opposite' nu rding to this, what	m is 0 mbers. number			A
			would		01 - ZX			
					0			
				Answer	Option	IS	1	
		Option A		Option B	Optior	1 C	Op	tion D
		2x		-2	2		2 +	x
						-		
14	29_270	Rational	The i	nteger that is 25 m	ore			С
	Mathematics	Numbers	than	(-435) is				
	11367							
				Answer	Option	IS		
		Ontion A		Ontion B	Ontior	<u>ו</u>	On	tion D
		-450	<u> </u>	-460	-410	10	460	
				100	110		100	
15	29-270	Rational	c and	d are two integers	s. Which			D
	Mathematics	Numbers			SE IRUE			
	11368		11 (-30	d) & divided by c is	to be a			
			ration	nal number?				
				Answer	Option	IS		
		Option A	1	Option B	Optior	n C	Op	tion D
		d should be	e a	d and c should be	d should	l be	c sh	ould not be
		positive nu	mber.	of opposite signs.	completely		0.	
					divisible	by c.		

S.N	Folder Number & Question Code	Topic	Questic	on with Answer Options	Ima (If A	age Any)	Correct Answer (Option- A,B,C,D)
1		RATIONAL NUMBERS	Mr. Shah, estimated to 5.2 crores. be the actua	an industrialist, is have assets worth Rs. Which of these could I value of his assets?			D
	2_10 Mathematics 5846			Answe	ers option		
		Opt	ion A	Option B	Option	С	Option D
		Rs. 52	,07,900	Rs. 50,29,790	Rs. 5,02,5	6,770 F	Rs. 5,23,45,990
						1	
2	2 11	Comparing	Mr. Kaul de	eposits a fixed			
2	MATHEMATICS	Quantities	vear period	I. Some details			
	5321		of the acco	unt (Interest		с	
			compound	ed annually)			
			are given b	elow:			
			Principal or	n which			
			interest is a	computed for			

					the firs .Interes first yes Interes	t year : Rs at earned fo ar : Rs 2000 t earned fo	40000 or the r the					
					second	year: Rs 2	100					
					third ve	ar : Rs 220	r the					
					The am	ount (Princ	ipal)					
					on whic	ch the inter	est for					
					the fou	rth year wi	ll be					
					calculat	ted is		0				
							Answei	Optic	ons			
			0	1	•						D	
			Opt	on I	A	Option E	3	Optic	on C	Option	D	
			2 201	-		40.0	00		46.205	46.615		
			2,203)		40,0	00		40,305	40,015		
			RATION	IAL	6789678	967896789	÷ 6789 is	egual				
3			NUMBE	RS	to							С
	2 10											
	Mathematio	cs						Answe	rs option			
	5858			Opt	ion A		Option E	}	Option	С	(Option D
				1	111		10101		10001000	10001	10001	00010001000
	2_10	RAT	FIONAL	Poir	nt M (not s	shown) on						
4	Wathematic	NU	MBERS	the		line is						C
	S	l		IVIO	ike than	4 Units						

	5873	away fi LESS th from p does po	rom point Q and nan 1 unit away point S. Where pint M lie?	-2 • Q	1 ● R	2 3 → → → S T
				Answers	option	
		Option A	0	ption B	Option C	Option D
		Between Q ar	nd R Betwo	een R and S	Between S and T	To the right of T
		RATIONAL W	hich of these is tru	ie for any non-		
5		NUMBERS zer	ro rational numbe	r p?		В
	2_10 Mathematics			Answe	ers option	
	5878	Option	A	Option B	Option C	Option D
	5070	р×(-р)	= 1 (-p) ÷ p = -1	p - (-p) = 0	-1/ p=p
		RATIONAL Th	e integer that is 2	5 more than		
6		NUMBERS (-4	435) is			C
	3_18					
	Mathematics			Answe	ers option	
	3346	Optior	n A	Option B	Option C	Option D
		-450)	-460	-410	460
1						

7	2 19	RATIONAL NUMBERS	Any number the form ^x / _y integers and number. Which of the rational num	that can be written in (where x, y are y ≠ 0) is a rational following is NOT a ber?			с
	Mathematics 3353			Answe	ers ontion		
		Opt	tion A	Option B	Option C		Option D
		2.353	3535	-1/4	3/0		7
							T
8		NUMBERS	on which hui position of 3. accurately?	nber line is the 508 shown most			А
				Answe	ers option		
			Optio	on A	0	ption B	
	3_18 Mathematics	3.508				3.508	
	3354	3.5		3.6	3.5		→ → → 3.6
			Optio	on C	0	ption D	
		<+ 3.5		3.508 	<	_ i _ i _	3.508 + + + + + + + + + + + + + + + + + + +

9		RATIONAL NUMBERS	A pair of ratio MULTIPLIED, (-1). The num	onal numbers, when gives the answer as nbers could be		D
	3_18 Mathematics 3363			Answe	rs option	
		Op	tion A	Option B	Option C	Option D
		(-p)	and p	(-p) and (-1)	(-p) and 1	(-p) and 1/p
10	3_18 Mathematics 3377	RATIONAL NUMBERS	A new operation follows: p★ q=2q - p numbers p ar According to	tion ★ is defined as o for all rational nd q. this, what will be the	*	В

				Answe	rs option		
		Op	tion A	Option B	Option C		Option D
			-8	-3	8		9
11		RATIONAL NUMBERS	c and d are the following (-3d) ÷ c number?	two integers. Which of g MUST BE TRUE if is to be a rational			D
	1_4 Mathematics			Answe	rs option	1	
	7585	Op	tion A	Option B	Option C		Option D
		d should l number.	pe a positive	d and c should be of opposite signs.	d should be completely divisible by c.	c sho	ould not be 0.
12	1.0	RATIONAL NUMBERS	□ represent	s a number such that			А
	Mathematics		$-\frac{5}{6} \times \Box = 1$				
	7587		Which of the	e following statements			
			about 🗆 is N	IOT true?			

				Δης	ars ontion		
		Op	tion A	Option B	Option C		Option D
		□÷	$\frac{5}{6} = 1$	$\Box < -\frac{5}{6}$	⁶ ∕ ₅ - □ = 0	🗆 lie	es between -1 and
							L
13		RATIONAL NUMBER	What is one of three thousau lakhs, forty th twenty one?	crore, two lakhs and nd PLUS twenty seven nree thousand and			В
	1_2 Mathematics			Δηςωγ	ers ontion		
	0091	Or	otion A	Option B	Option C		Option D
		28	66021	12946021	14746021		14773021
14		RATIONAL NUMBERS	0, 1, 2, 3, 4 Numbers.	are called Whole			С
			x and y are to satisfy ALL th	vo numbers which ese conditions:			
	1_2		(x + y) is a wh	ole number,			
	6892		(x - y) is not a	whole number and			
			xy is not a wh	iole number			
			Which of the values of x an	following COULD BE nd y?			

				Answ	ers option		
		Op	otion A	Option B	Option C	0	ption D
		x =	3, y = 2	x = 6, y = 8	x = 4.6, y = 6.4	x = 1	3, y = 6. 3
		RATIONAL	Which rationa	al number does the			
15		NUMBERS	pointer on the	e number line show?	<)	D
	1_2 Mathematics 6893			Answ	ers option		
		Opt	tion A	Option B	Option C	C	ption D
		-	1.2	-0.4	1.2		-0.8

S.N	Folder Number & Question Code	Торіс	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
1		RATIONAL WI NUMBERS neg dig	hich is the largest gative integer having 4 gits?		A
	1_2 Mathematics				
	6895		Answers	option	
		Option A	Option B	Option C	Option D
		-1000	-9999	-1023	-1111
2	1_2 Mathematics 6927	RATIONAL NUMBERS	x and y are two rational numbers. If x + y < 5 and 3 < x < 5, which of the following values can y have Answers Option B 2	option Option C 0	C Option D 3
3		NUMBERS	(-7) - ? = 14		D
	2_11				
	Mathematics		Answers	option	
	4420	Option A	Option B	Option C	Option D
			/	21	-21

4	2_11 Mathematics 4422	RATIONAL NUMBERSA num lind show bel with 	mber e is own ow h a nt P rked it: nich of lowing nts 1 be thest m P en rked the thest m P en rked the st M P en T the st M P en T the st M P en T the st M S the st M St M St M St M St M St M St M St M	P -1 0 -1 0 -1 0 -1 0	D
5	2_11 Mathematics 5279	RATIONAL NUMBERS	Which of the following lists ha numbers arranged INCREASING order?AnswerOption B $-\frac{1}{7}, -\frac{1}{8}, \frac{1}{7}, \frac{1}{8}$	The second seco	D Option D - ¹ / ₇ , - ¹ / ₈ , ¹ / ₈ , ¹ / ₇
6	2_11 Mathematics 5280	RATIONAL NUMBERS	9.03 ÷ 899.8 is c to	losest	А

			Answer	s option	
		Option A	Option B	Option C	Option D
		0.01	0.001	1	100
_		RATIONAL	What is 7799 ÷ 1	9?	D
1		NUMBERS			
			Answer	rs option	
	2_11 Mathematics	Option A	Option B	Option C	Option D
	5284	Quotient = 41,	Quotient = 41,	Quotient =	Quotient = 410,
	5204	Remainder = 0	Remainder = 9	41.4,	Remainder = 9
				Remainder = 14	
		RATIONAL	(As you know, ¹ /	3,	
8		NUMBERS	0.5, 0 and -10 are	e	D
			examples of		
			rational		
			numbers.j		
			Which is the		
			SMALLEST		
	2_11		POSITIVE ration	nal	
	Mathematics		number?		
	4436		Answer	rs ontion	
		Option A	Option B	Option C	Option D
		0	0.1	1	There is no such
					number.
		RATIONAL	x and y are two		
9	_	NUMBERS	numbers such that	at	Α
	2_11		0 < x < 1 and $1 < 2$	< y	
			< 2. Which of the		
	4442		following COUL	D	
			be an integer?		

			Answer	rs option	
		Option A	Option B	Option C	Option D
		x + y	y - 1	x + 2	Y
10	2_11 Mathematics 5256	RATIONAL NUMBERS	 0, 1, 2, 3, 4 are called Whole Numbers. x and y are two numbers which satisfy ALL these conditions: (x + y) is a whole number, (x - y) is not a whole number ar xy is not a whole number Which of the following COUL BE values of x ar y? 	e e nd .D nd	C
			Answer	s option	
		Option A	Option B	Option C	Option D
		x = 3, y = 2	x = 6, y = 8	x = 4.6, y = 6.4	x = 1.3, y = 6.3
			I	I	<u> </u>
11	2 11	RATIONAL NUMBERS	The sum of tr numbers is -(and their differen- is 4.5. What are numbers?	wo 6.5 nce the	С
	² _11 Mathematics 5258				
			Answer	s option	
		Option A	Option B	Option C	Option D
		-1.25 and -5.25	1.25 and -5.25	-1 and -5.5	1 and -7.5
			1	1	1]

12		Ration numbe	nal ers	For what statem	at numbers N ent N/4 < 23	N will the be true?		D	
	5_26 1669				Answer (Intions			
		Optio	on A	Optic	on B	Option C	(Option D	
		All nu	umbers	All nu	imbers er than 5	All number	rs /	All numbe	ers 92
13	2_11 MATHEM ATICS 4485	Comp Quant	aring ities	Look at Glow F being se special How m of creat tube co	ook at this tube of flow Face cream eing sold under a becial offer: flow many grams f cream does the ibe contain?			ety ubjec.	D
					1115				
			Option .	A	Option B	Option	С	Optic	on D
			30		37.5	120		150	
14	2_11 MATHEM ATICS 5310	Comp Quant	aring ities	Anjana has 4 pencils in her box. Their average length is 10 cm. Which of the following is NOT POSSIBLE?B					

						Answei	r Op	otions		
			Option A		Opt	ion B		Option C	Option D	
			The shortest in the box is long.	pencil 2 cm	T pene is	he longest cil in the b 8 cm long	;)OX ;.	Two of the pencils are 10 cm each.	All the pen of the same length.	cils are
15	2_11 MATHEM ATICS 5326	Com Quar	paring ntities	Ayub dr from a h metres te ground b the third ball rises of 40 cm The heig the ball r each bou SAME H of the he on its PH BOUNC the fract	ops a height o the below l boun s to a n. ght to rises unce FRAC eight REVI CE. W ion?	c of 6.25 flat y. After hee, the height which after is the CTION reached OUS /hat is	<u>6.25m</u>		1 1 1 1 1 1 1 1 1 1 1 1 1 1	В
				Option	n A	Answ Option	ver (B	Options Option C	Option D ^{39/} 125	

Set-4

Q. N	Folder Numb er & Questi on Code	Topic	Quest Option	ion with Answ ns	er	Image (If Any	y)	Correct Answer (Option - A,B,C,D)
1	5_27 8421	Rational Number s	At this p m/sec w m/sec. In just catc Six peop a race. T race at a describe question metres b ahead of and N is midway	oint, P starts runnin hile L continues to r n how many second h up with L? le - K, L, M, N, O and heir relative position particular instant a d below. Answer th based on this. K is behind L, L is 25 met f M, M is 5 metres b 15 metres ahead of between K and L.	g at 5 un at 4 s will P d P are in ns in the re e 10 res ehind O K. P is			C
				Answer	Option	S		
		Option 1	n A	Option B 4	Option 5	n C	Option D 9	
2	5_27 8420	Rational Number s	Starting what is t Six peop a race. T race at a describe question metres b ahead of and N is midway	with the one who is heir order at this po- le - K, L, M, N, O and heir relative position particular instant a d below. Answer the based on this : K is behind L, L is 25 met f M, M is 5 metres b 15 metres ahead of between K and L.	first, bint? d P are in ns in the re e i 10 res ehind O K. P is			D
				Answer	Option	S		
		Option		Option B	Option	n C	Option D	
		L-P- IN-	K- U- IVI		L- IN- P-	U- K- IVI	IN- L- P- K- U- I	VI

3	28_270 Mathem atics 10067	Linear equatio ns in one variabl es	In a mage every ro the sam magic so of 10x ?	gic square, the sum w, column and dia e. Shown below is quare: What is the	of gonal is a 3 x 3 e value	x x+1 2	x - 5 y 9	8 y-2 4	A	
				Answer	Option	s				
		Optior	ו A	Option B	Option	<u> </u>	Onti	on D		
		60		40	30		10			
4	5_27 8405	Linear	Vaishali s	saves Rs. 35 every w me costing Rs 510 N	eek to Which				С	
	0-05	n in one	expression	on below shows the	amount					
		variable	left for h	er to save after n we	eks?					
			AnswerOptions							
		Optior	n A	A Option B Option C n 35n - 510 510 - 35n				on D		
		(510 - 35	5)n					(510 + 35)n		
5	5_2	Linear	The ratio	of Neha's age to the	at of					В
	9	equati	Jane is 4:	7 and the ratio of Ja	ne's age					
	Mat	on in	to that o	f Smita is 4:3. If Smit	s 4:3. If Smita is 21					
	hem	variabl	years old		Nena:					
	11374	е								
	_ · -									
				Answer	Option	S	T			
		Option	n A	Option B	Option	с С	Opti	on D		
		4		16	2	1		28		
6	2 10	LINEAR	The ang	les of a triangle are	e in the					
	2_10	EQUATI	ratio 2 :	5 : 2. What kind of	What kind of					P
	Mathem	ONS IN	triangle	will it be?						В
	atics	ONE								
	EOED	VARIAB								
	3032	LE								

				Answer	Option	S		
		Optior	n A	Option B	Option	n C	Option D	
		Right	angled,	Obtuse angled,	Obtuse a	ngled,	Acute angled,	
		Isos	celes	Isosceles	Scalene		may be	
							isosceles or	
							scalene	
7		LINEAR	(1 + 3/4) × k = 1				
		EQUATI						_
		ONS IN	Here k s	tands for the ratio	nal			D
		ONE	number	,				
		VARIAB						
	2_10	LE	Then va	lue of k is ?				
	Mathem							
	atics							
				Answei	rOption	S		
	5864	Optior	n A	Option B	Optior	n C	Option D	
		4/3		-3/4	3	/1	4/7	
						1		
8		LINEAR	The nun	nber of pencils in I	<etan's< th=""><th></th><th></th><th>А</th></etan's<>			А
		EQUATI	box is 6	more than the nu	mber of			
			rulers in	nt. If the number	01 +ho			
	3_18		penciis i	of rulors P which	of tho			
	Mathem		followin	σ is true?	or the			
	atics		10110111	5 10 11 40 1				
	3367				<u> </u>			
				Answei	rOption	S		
		Optior	n A	Option B	Optior	n C	Option D	
		R + 6 =	Р	P + 6 = R	6R	= P	6P = R	
٩			Which o	f the following co	uld be	x 1	2 3 4	
9	1_4	ΕΠΝΕΆΚ ΕΩΠΔΤΙ	the corr	ect relation betwe		y 1	5 9 13	П
	Mathem		and v?					
	atics	ONE	y.					
	7603	VARIAB						
		LE						

				Answer	Option	S		
		Optior	n A	Option B	Option	n C	Option D	
		y = 2x +	1	y = 2x - 1	y = 3	x - 2	y = 4x - 3	_
			•					
10		LINEAR	While so	olving an equation	of the			А
		EQUATI	form x +	m = n (where m a	ind n are			
		ON IN	constan	ts), Ranjana made	a			
	1.4	ONE	mistake	and added m to n	instead			
	1_4 Matham		of subtr	acting it. By now n				
	atics	LE	would n	er answer diller ir	om the			
	7606		correct	oner				<u> </u>
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
				Answer	Option	S	1	
		Optior	n A	Option B	Option	n C	Option D	
		2m		m + n	m - n		n - m	
						F	surg_	
11			Hema h	as weighing scales	with a			л Г
		EQUAII	removal	ble pan. One day, s	sne			– B
			then we	ight as shown below	anu		Unent to the strength of the	•12.
	2 11	VARIAR	then we		•	Ann.	4	***
	Z_II Mathem	LE	How mu	ich did the bag of f	flour	Max big		No. Company and the second sec
	atics		weigh?	0		SCALES WITHOUT THE PAN	SCALES WITH SCALES WI THE PAN THE PAN AND	TH
	4439						BAG OF FLC	JUR
				Answer	Option	S	T	
		Optior	n A	Option B	Option	n C	Option D	
		1 kg	; 50 g	1 kg 400 g	1 kg 500) g	1 kg 600 g	
12			Que la site		h a lui			[
12			On bein	g asked her age, Si	naiu orn 2			C
			voars be	for a mo and my si	istor 1			C
		ONE	years af	ter me and the sur	m of			
	2_11	VARIAB	their ag	es is 30 years '				
	Mathem	LE	How old	l is Shalu?				
	atics							
	4440			A	0	_		_
		AnswerOptions						_
		Uption	1 A	Uption B	Uption	1 C	Uption D	
		12 y	/ears	14 years	16 y	rears	can't say	

-													
ſ	13		LINEAR	By how	much will the sum	of the	1st Row \rightarrow	1	2	3	4	5	
			EQUATI	number	s in the 20th row e	exceed	2nd Row \rightarrow	6	7	8	9	10	D
			ON IN	the sum	of the numbers ir	n the	3rd Row \rightarrow	11	12	13	14	15	
			ONE	15th?				16	17	18	19	20	
		2 11	VARIAB					21	22	23	24	25	
		Mathem	IF					~ 1		20	24	20	
				<u> </u>					<u> </u>				
		4432											
					Answer	Option	s						
			Ontior	ו A	Ontion B	Ontior	- n ((Int	ior	ח ח		
			option	5	25	7	75 75		Jpt	<u>101</u> 1	25		
				5	25	,	5				25		
	14	27 270	Linear	Akhil's c	office in a high-rise	building		-					D
		 Mathem	equatio	was on a	a floor that had as	manv							
		atics	ns in	floors al	oove it as below. C) ne dav.							
		8410	one	he went	up 7 floors from h	nis							
			variabl	office. t	hen down 4 floors	and							
			es	finally u	p 9 floors. If he wa	is at the			٦.				
				top floo	r now. how many	floors							
				did the	building have in all	?	and the local division of the						
						•							
					Answer	Option	S						
			Optior	ı A	Option B	Optior	n C	(Opt	ior	ו D		
			53		41	39		2	25				
					·								
	15	28_270	Linear	Five nur	nbers, when arran	ged in							С
		Mathem	equatio	ascendi	ng order, form a se	eries in							
		atics	ns in	which th	ne difference betw	reen							
		10044	one	each nu	mber and the num	nber							
			variabl	next to i	it is 7. If 8 and 36 a	ire two							
			es	of those	numbers, which c	one of							
				the follo	wing could be one	e of the							
				other th	ree numbers?								
					Δησιμοι	Ontion	c						
							<u> </u>		<u></u>				
			Uption	<u>1 A</u>	Uption B	Uption	۱L	(Jpt	10r	ים ו		
			14		27	29		3	55				
		1	1										

Set-5

Q. N	Folder Numbe r & Questio n Code	Topic	Quest Answe	ion with er Options	Image (If Any)		Correct Answer (Option - A,B,C,D)		
1	19_269 Mathemat ics 2735	Linear equatio ns in one variabl es	50% of 2 is equal	25% of a number p to			C		
				Answer	Options				
		Option	n A	Option B	Option C	Option D			
		half of p		one-fourth of p	one-eighth of p	three-fourth o	fp		
-	07.070								
	Mathemat ics 8396	equatio ns in one variabl es	the proo get x?	duct of x and 2 to					
				Answer	Ontions				
		Ontior	ηA	Ontion B	Option C	Ontion D			
		-x	111	$x^2 + x$	2x	$x - x^2$			
				1	1]		
3	26_270 Mathemat ics 1701	Linear equatio ns in one variabl es	How ma odd nur 1, have 64?	any consecutive nbers starting from to be added to get	1		D		
		AnswerOntions							
		Ontion	η Λ	Ontion B	Ontion C	Ontion D			
		five	IA	six	seven	eight			
						0.0.10			

4	26_270 Mathemat ics 1694	Linear equatio ns in one variabl es	If x + 5 is complet which o will be c by 26?		В		
				Answer	Options		
		Optior	n A	Option B	Option C	Option D	
		x+26		2x+36	2x+5	2x+13	
5	19_269 Mathemat ics 2741	Linear If p / 2 = equatio what is ns in q? one variabl es		= 4 and 2 - q = 4, the value of 2p +			В
		Option	n A	Option B	Option C	Option D	
		12		14	18	22	
6	19_269 Mathemat ics 2739	Linear equatio ns in one variabl es	Urmil lo and said hours th exactly o number already was Urn showing	oked at his watch I, The number of nat are left today is one-seventh of the of hours that have passed.What time nil's watch			D
				Answer	Options		
		Optior	n A	Option B	Option C	Option D	
		7:00 AM		6:30 PM	7:00 PM	9:00 PM	
7	27_270 Mathemat ics 8409	Linear equatio ns in two variabl es	There is between correspo X and Y figure.W followin describe correcth	a certain relation n the onding members o in the following /hich of the g equations es the relation y?	f 1 3 0 2 <i>x</i> X	▲ 1 ▲17 ▲-1 ▲ 7 ▲ y ¥	D

				Answer	Options					
		Optior	n A	Option B	Option C	Option D				
		x = y + 1		y = 2x -1	x = 2y -1	$y = 2x^2 - 1$				
			I							
8	19_269	Linear	For whi	ch of these values			А			
	Mathemat	equatio	of x and	1 y is 2x - 3y = 3x - 3x + 3y = 3x - 3x +						
		ns in	29?							
	2734	two variabl								
					<u> </u>					
		AnswerOptions								
		Optior	n A	Option B	Option C	Option D				
		x = 1, y =	= -1	x = 2, y = 0	x = 0, y = 1	x = 1, y = 1				
٥	5 26	Linear	If the rel	ationshin between z			R			
9	1691	Equatio	and v is	that $z = 3 + v$. then	A	B C D				
		n	what nu	mber should appear	1 x	y z				
			in cell C2	2?	3 -3	-11				
			Study th	e paragraph and	4 5	5				
			spreads	heet given below to	5 0					
			While w	orking on a						
			spreads	neet, Praveen gives						
			the head	ling ^x^ to column A						
			and ente	ers some values						
			under it.	In the						
			column	B he enters a						
			formula	and gets these						
			values:	C						
				Answer	Options					
		Optior	n A	Option B	Option C	Option D				
		5		2	-2	-4				
			I		I	1				
10	19_269	Linear	Ratnam	hired a car from a			A			
	Mathemat	equatio car renting agency which								
	ics	ns in charges a flat amount of Rs								
	2756	TW0	x for tra	rea and Baly nor						
			knomet	res anu KS. y per						
		5	travelle	d thereafter How						
		travelled thereafter. How much should Batnam pay								

			the ager 50 kilon	ncy for a journey of netres?	f				
				A	0				
		Ontion	λ	Answer Option R	Options	Ontion D			
		Bs(x+1)	1 A 0v)	$\frac{Option B}{Bs 50(x + y)}$	$B_{S}(40 x + y)$	Bs 50xv			
			~ 11						
11	19_269 Mathemat ics 2757	Linear equatio ns in two variabl es	The wei jam whe when it shown k weight o bottle?	ght of a bottle of en it is FULL and is HALF full is pelow.What is the of the empty			C		
			AnswerOptions						
		Ontior	n A	Ontion B	Option C	Ontion D			
		1/2 kg	171	350 g	300 g	250 g			
			I	I	I				
12	19_269	Linear	A train r	uns once a week			D		
	ics	ns in	back. It	started from Delhi					
	2759	two	at 9 PM	on 16th May, and					
		variabl	returne	d after completing					
		es	the to a	nd fro journey in a					
			total of	52 hours. What					
			was the	date and time					
			when th	ie train returned to)				
			Deini ai	ter its journey!					
			Δ	Answer	Options				
		Uption 18thMay	1 A	18th May 1 AM	19th May 9 PM	19th May 1 AN	Λ		
		10(111110	y, 1 W	1001110103, 1 AN	1911 May, 91 M	1501 1000, 1 A			
13	26_270	Linear	In the si	mplified form of			D		
	Mathemat	equatio	which o	f these expressions	5				
	ics	ns in	will ther	re be no xy term?					
	1674	two							
		C3							

				Answer	Options]		
		Option	Α	Option B	Option C	Option D			
		(3x -	$(4y)^2$	(3x) (4y)	3x + 4y (3x - 4y)	(3x - 4y) (4y + 3x)]		
14	2_11 Mathemat ics 5262	Unders tanding Quadril ateral	Which o have 20 number an 'n' sic $(3)/_2$?	of the following will diagonals if the of diagonals of ded polygon is ^{n (n -} Answer	Options		D		
		Option	Α	Option B	Option C	Option D			
15	2_11 Mathema tics 5271	Unders tanding Quadril ateral	In the al of these 180°?	oove figure, which will NOT equal	A D B C E	F	D		
			AnswerOptions						
		Option A Option B Option C Option D							
		∠a + ∠	B + ∠C	∠F + ∠ G	∠ A + ∠ B + ∠ D + ∠ F	∠ A + ∠ B + ∠ E			

Set-6

Q. N	Folder Numbe r & Questi on Code	Topic	Quest Answo	ion with er Options	Image (If Any)		Correct Answer (Option - A,B,C,D)
1	2_11 Mathem	Unders tanding Quadril ateral	If the m angle of triangle angle of CANNO	easure of one an isosceles is 40 ⁰ , another the triangle T measure			С
	4421						
			-	Answe	erOptions		
		Option	$\frac{\mathbf{n} \mathbf{A}}{\mathbf{o}^0}$	Option B	Option C	Option D	
		4	.0°	70°	80°	100°	
2	2_11 Mathem atics 4424	Unders tanding Quadril ateral	Kusum o like P or figure O Compar how ma straight on page	drew <i>m</i> figures n a page 1 and on page 2. red to page 2, iny more lines are there 1	P	Q	D
				Δηςιμα	rOntions		
		Ontior	n A	Ontion B	Ontion C	Ontion D	
			3	3m	8m - 1	8m - 5	
L			I			1	'
3	2_11 Mathem atics 5290	Unders tanding Quadril ateral	The roa the hou Sunil, Ka form a c shown h refer to quadrila It is not corner i etc.	ds connecting ses of Ravi, apil and Roger quadrilateral as nere. Let us the ateral as KLMN. known which s K, which is L,			A

			It is kno + ∠ that ∠ L smallest quadrila	wn that∠K M > 180° and is not the angle of the teral.				
				Answe	erOptions			
		Optior	n A	Option B	Option C	Option D)	
		Ra	avi	Sunil	Kapil	Rogei	r	
					·			
4	2_11 Mathem atics 4448	Unders tanding Quadril ateral	In the fit below, F square a equilate The bise angle P1 QRS me What is angle T0	gure shown PQRS is a and TPS is an eral triangle. ectors of TS and angle et at point O. the measure of DR?	P Q Q	s ? R	A	
				Answe	erOptions			
		Optior	n A	Option B	Option C	Option D)	
		13	35 ⁰	140 ⁰	145 ⁰	150 ⁰		
5	2_11 Mathem atics 4450	Unders tanding Quadril ateral	Venu ha sheet of With a s cut, he o rectango two pieo The tota corners resulting	is a rectangular cardboard: ingle straight cuts the ular sheet into ces. al number of on the two g pieces COULD			C	

				_			7
				Answe	rOptions	T	_
		Option	Α	Option B	Option C	Option D	
		4	1	5	7	10	
					D	0 0	
6	2_10 Mathem atics	UNDER STANDI NG QUADR ILATER ALS	Look at shown b of them diagona ONE ver From th that the diagona	the polygons below. In each , ALL the Is drawn from tex are shown. ese we can say number of Is that can be	4-sided 5-sided	6-sided 7-sided	С
	5866		drawn fi vertex o	rom any one f a 20-sided			
			polygon	is			
				Answe	rOntions		1
		Ontion	Δ	Ontion B	Ontion C	Ontion D	-
		2	0	19	17	16	-
			<u> </u>	15	17	10	1
7		UNDER STANDI NG QUADR	The figu to scale. If KN	re given is NOT .) LM, the sides	K 100°	50° N 80°	В
	2_10 Mathem atics	ILATER ALS	of KLMN order ar	I in increasing e		M	
	5880					111-1	
				Answa	rOntions		1
		Answ Ontion A Ontion B			Ontion C	Ontion D	-
							-
8	2_10 Mathem atics	UNDER STANDI NG QUADR	In the al lines I ar parallel.	oove figure, nd m are	Q 100'	<u>4</u> 60° /	С
	5881	ILATER ALS	What is ∠R?	the measure of	R?	Not to scale	

				Answe	erOptions		
		Optior	n A	Option B	Option C	Option D	-
		1(00°	120°	120°	160°	
				<u> </u>			
9		STANDI NG	EFGH is an object	covered with ct X. Which of			D
	3_18 Mathem atics 3358	ILATER	DEFINIT quadrila	ELY true about ateral EFGH?	F	×	
	3330						_
				Answe	erOptions	T	_
		Optior	n A	Option B	Option C	Option D	_
		lt mu	st be a	It must be a	It must be a	none of the	
10			What is	the sum of all	R R		D
10		STANDI	the inte	rior angles			D
		NG	(marked	in the figure)	PQ	ys .	
		QUADR	of polyg	on PQRSTUV	$\setminus \mathbb{X}$		
	3_18					X	
	atics	ALS			U	Т	
	3376				V		
				Answe	erOptions	_	
		Option	n A	Option B	Option C	Option D	_
		3600		4200	7200	9000	
11		UNDER	The cha	rt given below		ALL	
		STANDI	puts qu	adrilaterals in	QU	ADRILATERALS	А
		NG	differen	t boxes	А	♥ re both pairs	
	14	QUADR	accordi	ng to certain	of opp	osite sides equal?	
	Mathem		conditio	ons.	Yes		
	atics	ALS	Accordi	ng to the			
	7598		conditio	ons in this chart,	le any of its interior		
			which ty	ype of	angles a right angle	?	
			quadrila	aterals will be	Yes 🛦 🔪 No	1.007	
			placed i marked	n the box X?		X	

				Anouvo	montiona			
		Ontior	λ	Ontion R	Option C	Ontion D		
		all t	hose	all those	all rectangles	all those		
		paralle	lograms	rhombuses	dirrectangles	rectangles		
		which	are not	which are not		which are no	t	
		recta	ngles	squares		squares		
12	1_4 Mathem atics 7601	STANDI the he NG Sunil, QUADR form ILATER show ALS refer quadu It is n corne etc. 601 It is ki M > 1 is not angle quadu		ds connecting ses of Ravi, pil and Roger juadrilateral as here. Let us the teral as KLMN. known which s K, which is L, wn that \angle K + \angle ° and that \angle L e smallest the teral.	es of Ravi, pil and Roger uadrilateral as ere. Let us he eral as KLMN. nown which K, which is L, which is L, roger which is L, roger roger roger he eral as KLMN. he eral as KLMN. he he he he he he he he he he		A	
			9000110					
				AnswerOptions				
		Optior	ו A	Option B	Option C	Option D		
		R	avi	Sunil	Kapil	Roger		
			-			1 0		
13	2_11 Mathem	UNDER STANDI NG QUADR ILATER ALS	A paralle will be a when di and NP	elogram MNOP rectangle agonals MO			A	
	4429							
				Answe	rOntions			
		Ontior	η <u>Δ</u>	Ontion B	Ontion C	Ontion D		
		are equal		are	bisect each	intersect at a	n	
			equa	perpendicular	other	angle of 45 ^o		
14	5_26	Unders	Accordir	ng to the angle	1		В	
	1666	tanding Quadril	measure which fig	es given, in gure are lines l				
		aterals	and m p figures a	arallel? (The are NOT to				

			scale)				
					0		1
			•	Answe	ruptions		-
		Option	A	Option B	Option C	Option D	-
		95° 85°	m	95° 85° B.	m 95° m 95° m C.	95° m D.	
15	5_26	Unders	Nadeem	wants to	•	С	
	1699	tanding	extend t	he flowchart	R		
		Quadril	further from R to		└ ─ ↓		
		aterals	specify v	whether a			
			square	What question	< ? >	No T	
			should h	e put in the	Yes		
			box belo	ow R?	S (SQUARES)		
				Answe	rOptions]
		Option A Are all the		Option B	Option C	Option D	
				Are the	Are any two	Are the	
		angles in	n the	opposite sides	adjacent sides	opposite angles	
		angles?"	gnt '''	equal?""	of the figure equal?" "	of the figure equal?""	

Set-	7
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Q. N	Folde r Numb er & Quest ion Code	Торіс	Que: Opti	stion wit ons	h An	swer	Image (If Any	: y)	Cor Ans (Op A,B	rect swer otion- ,C,D)
1	3_19 2744	Understandin g Quadrilateral s	Look at the group of figures in the box here. Which of the following properties fit ALL the figures in the box?							
			Option	S						
		Option A	(Option B Option			C Option D			
		All the sides a	re At least one pair of sides is		At least one pair		All the sides	; are		
		equal and at				parallel and all the angles are equal		equal and al	all the	
		sides is parall	el t	the interior t angles are acute				are obtuse		
2	3 19	Understandin	Some	students are	e meas	uring			D	
-	2747	g	and examining diagonal properties of quadrilaterals in							
		Quadrilateral								
		S	their (Geometry cla	ass. The	ey have				
			so far	measured fo	our Durin a					
			works	heet and rec	orded	their				
			finding	gs in a table	as show	wn				
			below	. Which of th	ne					
			quadr	ilaterals mea	asured	by the				
			studer	nts is a recta	ngle?	Namela				
			Name of	Name of the Diagonals Diago		Ulagonals are				
			quadirate	rai disect each other	are equal	perpendicular				
			тти	yes No	No.	No				
			MNOP	No	No	Ves				
			QRST	Yes	Yes	No				
				1 (a).2	and data					

		S									
	Option A		Option B	Option	n C Option D						
		EFGH	IJKL	UKMINOP	MQBST	MNOF					
3	5_27 8386	Understandin g Quadrilateral s	ABCD is a trapeziu parallel to CD. Whi following CANNOT based on this?	m with AB ich of the be concluded	A 5 12 B 34 6 C	В					
				wer Option							
		Option A	Option B	Option	C Option D	1000					
		<u>_1= _4</u>	L2= L3		=180° L3+ L4+ L5=1	180°					
4	5_27 8416	Understandin g Quadrilateral s	Five identical recta of cloth of differen arranged as shown square patch. If the each rectangular p what is the perime square patch?	ingular pieces at prints when a form a e perimeter of iece is 48 cm, eter of the		D					
		S									
		Option A	Option B	Option	n C Option D	tion D					
		240cm	120cm	96cm	80cm						
5	5_28 10047	Understandin g Quadrilateral s	Rahul and Tapan a guessing game wit Rahul draws a qua answers Tapan's q follows: Tapan: Are all its s Rahul: Yes. Tapan: Are its diag Rahul: No. Which following is the Mo description of the Rahul has drawn?	re playing a h shapes. drilateral and uestions as sides equal? onals equal? of the DST accurate shape that		D					
				Answer	Option	S					
---	-------	-------------------------------------	-------------------------	--	----------------	------------	------------------	------	--	--	--
		Option A		Option B	Optior	n C	Option D				
		Square		Rectangle	Parallelo	gram	Rhombus				
						0	0				
6	5_28	Understandin a	And	equilateral triangle T	SR is to	۲ <u>–</u>	٦°	В			
	10005	guadrilateral	PQF	RS. Where will point	T lie?						
		S				s	R				
				Answer	Option	S	ſ				
		Option A		Option B	Optior	n C	Option D				
		Inside square		On the midpoint	Exactly c	on point	Outside the	1			
		PQRS		of side PQ	Р		square, over t	ne			
7	5_29	Understandin	Usir	ng which set of sticks	s can a			A			
	11377	g	tria	ngle be formed?							
		Quadrilateral									
		5									
				Answer	Option	S					
		Option A		Option B	Optior	n C	Option D				
				1 cm	10	m	1 cm				
		3 cm			3 cm		3 cm				
		4 cm		4 cm			4 cm				
		6 cm		6 cm	6 cm						
0	5 20	Understandin	Tho	figuro bolow is calle	d a	1	0				
0	11398	g	net	work. It is made up o	of links	×1		C			
		Quadrilateral	and	nodes. The aim is to	o start	Node		Link			
		S	fror	n a node and comple	ete a full	3	→				
			rou ⁻ RFP	te of the links WITH(FATING ANV LINK (†)	JUI hough a						
		node may be repeated). Is it									
			pos	sible to do this?		5≁	•6				
		Answer Options									
		Option A Option B Option C Option D									
		It is possible		It is possible only	It is poss	ible only	It is not possib	ole.			
		starting from a	any	if we start from	if we sta	rt from					
		E node.		nodes 1 or 2	nodes 3	0r 4	1	1			

9	5_29 12340	Understandin A f g pla Quadrilateral Th s ha tri art	triangular array is for acing 15 identical plas e LEAST number of cl ve to be moved to IN angle (to an upside-d rangement) is	med by sticchips. hips that VERT the own	000000000000000000000000000000000000000			C	
			Answei	Option	s				
		Option A	Option B	Option	C	Option D			
		10	7	5	4				
10	5_26 1698	Understandin Ac g cla Quadrilateral bo Pa Ar th Na to	According to Nadeem's classification, which box or boxes would contain Parallelograms? Answer the question based on the given information. Nadeem is drawing a flowchart to classify quadrilaterals.			ITERALS	В		
		Option A	Answer Option B	Option	s C	Option D			
			DOLIT Q AND K	Unity Q					
11	5_28 10063	Practical Qa Geometry wi br of Hc he (re	adir wanted to form a th exactly 12 identica atchsticks, without be eaking any. He makes the triangle with 6 m ow many matchsticks use for the other two espectively)?	a triangle al ending or s one side atches. should o sides	•		D		
			AnswerOptions						
		Option A	Option B	Option D					
		matchsticks	matchsticks	matchstic	.icks, 1 k	able to make a triangle.			

12	5_28	Practical	The	The length of the worm shown 🛛 👘 🤰 🖉 🛛 🛛 🖉								
	10041	Geometry	nex	t to the ruler below	is about							
							a a a					
							3. 3. 1.					
							104					
								·				
				Answei	r Option	S						
		Option A		Option B	Optior	n C	Option D					
		7.5cm		10cm	15cm		22.5					
							-					
13	5_29	Square and	Wh	at number should c	ome in			С				
	11369	Square roots	the	box to make the fol	llowing							
			sta	tement true? 34+32 =	=9 x∐							
			AnswerOptions									
		Option A		Option B	Optior	n C	Option D					
		4		7	10		81					
						\sim		1				
14	5_26	Comparing	Wh	hat percent of figur	re 1is	(
	Mathe	Quantities	figi	line 2?								
	matics					Fig. 1		C				
	10/0							C				
						\bigcap	\					
						()					
)					
						Fig 2						
						1.18.2						
			1			1		L				
				Δηςιμοι	Ontion	C						
		Ontion A		AllSwei Ontion D	Ontion		Ontion D					
						I L						
		33%	150% 200%				300%					
15	5 26	Comparing	To	boost sales la car (company			D				
10	Mathe	Quantities	sla	shed the price of a	company			0				
	matics		nar	rticular model by c	ne							
	1671		ρίσ	hth from the evict	ing nrice							
			of	Rs 5 26 Jakhs The	nrice							
			- W2	s hrought down h	/ ahout							
1	1	1	I wwa	J DI DUGITE UDWIT DY	about	1		1				

		AnswerOption	IS	
Optio	n A Option	n B Optior	n C Option	D

Set 8

Q. N	Folder name & Question Code	Торіс	Qu An	estion with swer Options		Image (If Any)		Correct Answer (Option- A,B,C,D)
1	5_29 Mathematics 11392	Comparing Quantities	In a cricket match, Pakistan had to score 307 runs in 50 overs to win. They scored at an average rate of 5.6 runs per over in the first 20 overs. What should be their average run rate per over for the remaining overs in order to reach the target?					C
				Answer	Ont	ions		
		Ontion A		Ontion B	Opt	tion (Onti	on D
		C C C		C 14	бр		opu	
		5.0		0.14	0.5		0.4	
2	5_29 Mathematics 11393	Comparing Quantities	Mo diff lens wou the cov	Mohan and Sahil walk with different stride lengths.How many strides would Mohan take to cover the distance that Sahil covers in 40 strides?				С
				Answor	Ont	ione		
		Ontion A		Ontion P	Opt	tion C	Onti	on D
					0p		70 70	
					40		70	
3	5_29 Mathematics 12339	Comparing Quantities	Ana at a km his wha	Ananth ran a 4 km stretch at an average speed of 10 km an hour. If he started his run at 5:00 a.m., at what time did he finish?				A
		AnswerOpt				ions		
		Option A		Option B	Op	tion C	Opti	on D
		5:24am		5:40am	7:25	5am 7:30		

4	5_29 Mathematics 12341	Comparing Quantities	To slas par froi 5.2 bro	boost sales, a car c shed the price of a ticular model by o m the existing price 6 lakhs. The price v ught down by abo	D				
				Answer	Ontions				
		Option A Rs 4400		Option B Rs 6600	on D 6000				
5	5_28 Mathematics 10035	Comparing Quantities	omparing Luantities If the length of the second's hand of a watch (having a circular dial) is halved, the angle through which it moves in one second will					D	
		AnswerOptions							
		Option A		on D					
		be doubled		become one fourth	be halved		rema unch	in anged	
6	5_28 Mathematics 10039	Comparing Quantities	Wh valu	ich of these could ue of 120%?	have a			А	
				•	0.11				
		Ontion A		Answer Option P	Options	<u> </u>	Onti	on D	
		the increase in the marks the discount on the de					ecrease in		
		the number of scored by a a musi			a music s	ystem	the n	umber of	
		students in a school during year.	ı g a	student in a test of 500 marks.	priced at Rs. p 18000. p		polio partio distri	cases in a cular ct.	
				1			<u> </u>		

7	5_28 Mathematics 10043	Indi to w our shou The be r thre sub- equ the saff pan the whi Ash its c the wid eaci the		Flag Code of ndia, the length to width ratio of our National Flag should be 3 : 2. The flag should be made up of three rectangular sub-panels of equal width, with the top panel saffron, bottom banel green and the middle panel white, having the Ashok Chakra at ts centre.What is the length to the width ratio of each sub-panel in the flag?				A	
		Option A		Answer Option B		Options Option C	Opti	on D	
		9:2		9:4		3:2	3:6		
8	5_28 Mathematics 10048	Comparing Quantities	The anr in a Stu ans que boc anc Rs. disc was pric	e notice nounces a sale superstore. dy it and wer the estion. ara bought a bk at this store I had to pay 180 for it after count. What is original ce?		Sele Sale Sale 10% discount on ALL Books 20% discount on ALL Cassettes and d 15% discount on ALL Cassettes and E	Sale Sames CDs C <i>iurry</i> X	A	
		Option A		Answe Option B	er	Options Option C	Opti	on D	
		Rs 200		Rs 198	Rs 190 Rs 162		2		

9	5_28 Mathematics 10049	Comparing T Quantities a S t A o b V p	The notice announc sale in a superstor tudy it and answer he question. whishek got Rs. 80 or on a stuffed toy that h bought at this store. What was its marked orice?	es e. 10% discount on ALL Book 20% discount on ALL 15% discount on ALL Casse ff ne	Sale Sale B Tays and Games sthes and CDs <i>Hurry</i>	
			Answe	rOptions		
		Option A	Option B	Option C	Option D	
		Rs 800	Rs 400	Rs 300	Rs 200	
10	5_28 Mathematics 10061	Comparing T Quantities fi b w li fi it	he jug below has to l illed with a liquid, usi he beaker shown.If the beaker is to be filled with exactly as much quid as is required to ill the jug upto the 2- tre mark, what part of the should be filled?	be ing he -2 litre -1.5 litre -1.5 litre -1.5 litre -0 -0.5 litre -0.5 litre -0.5 litre	B - 500 mi - 250 mi Beaker	
			Answe	rOptions		
		Option A	Option B	Option C	Option D	
		$\frac{1}{4}$	$\frac{1}{2}$	$\frac{2}{3}$	$\frac{3}{4}$	

11	5_28 Mathematics 10062	Comparing Quantities	A b ma bre loa two sho figu sho figu sho Rs. the Rs. Wh is b (mo ecc to b	akery kes ad ves in o sizes as own in ure.The aller loaf riced at 10 and larger at 20. hich loaf better ore onomical) buy?	*1 m*	(NOTE : This figure is NOT to scale)		A	
					nswer	Options	0+	. D	
		the smaller or	ne	the larger	B one	both are equally	depends	D on the	
						economical	number	of slices	
12	5_27 Mathematics 8384	Comparing Quantities	How does 50% of a negative number compare with the number?					В	
				A	nswer	Options		<u> </u>	
		Option A It is less than t number.	the	Option It is greate the numbe	B er than er.	Option C It is equal to zero.	Optior It can be more de on the n	n D less or pending umber.	
13	5_27 Mathematics 8385	Comparing Quantities	Wh like of a ste tea	at is the ly weight regular el spoon?	6			С	
			AnswerOptions						
		Option A 25 milligrams	Option 75 milligra		B ams	Option C 20 grams	Optior 100 gran	n D ns	

14	5_27 Mathematics 8391	Comparing Quantities	If 25% of Y is the same as 200% of Z, then			D			
				An	swer	Options			
		Option A		Option B		Option C	Optio	n D	
		Y = ¼ of Z		Y = 1/8 of Z		Y = 2Z	Y = 8Z		
15	5_27	Comparing	A sp	oorts club					
	8397	Quantities	nad 40 members.					C	
			One-fourth						
			of t	hem were					
			girls	s. How					
			girl	s should					
			the	y take if					
			the	y want					
			the	girls to s' ratio to					
			be :	1:2?					
				-					
		AnswerOptions						1	
		Option A		Option B	}	Option C	Optio	n D]
		2		4		5	10		
]

				Set-9			
S.N	Folder Number & Question Code	Topic	Questio	on with Answer Options	Image (If Any)		Correct Answer (Option- A,B,C,D)
1		Comparing quantities	Which of the 110%?	e following could be			В
	3_18			Answer	soption	1	
	Mathematics	Opt	ion A	Option B	Option C		Option D
	3350	The discount on a ba		The profit on selling a	The percentage of	Th	e percentage of
		costing Rs. 1500		second hand	students who passed	wat	er in a solution of
				motorbike.	in an exam.	n	nilk and water.

S.N	Folder Number & Question Code	Topic	Questio (n with Answer Options	Ir (If	mage f Any)	Correct Answer (Option- A,B,C,D)
2	3_18 Mathematics	Comparing Quantities	A wall hangin the school fur cost her Rs 25 made a hanging.	g that Jayati sold in nfair for Rs 20 had 5 to make. Jayati on the wall			C
	3366			Answe	ers option		
		Opt	ion A	Option B	Opti	on C	Option D
		Profit of 80	D% Loss of 5%		Loss o	of 20%	Loss of 25%

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Imag (If An	Correct Answer (Option- A,B,C,D)	
3	3 1_2 Mathematics		Kuljeet goes to a gift shop with a hundred rupee noteto buy some presents for her friend. She likes the following items:How many different combinations of items can she purchase if she wants to spend MORE than Rs. 90?		Item A Book A Pen A Pencil Case A Wall Hanging A Shoulder Bag	Price (Rs) 75.50 30 18.50 50.75 40	A
		Opt	ion A 3	Answe Option B 4	ers option Option C 2		Option D 1

S.N	Folder Number & Question Code	Topic	Questi	on with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
4	1 2	Comparing Quantities	Convert 3. 3	3% into a fraction.		D
				Answe	ers option	
	6907	Opt	ion A	Option B	Option C	Option D
		3	33	333/10	333/100	333/10000

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Image (If Any))	Correct Answer (Option- A,B,C,D)
5	5 Com Quar 1_2 Mathematics		A tree sheds 15% of its leaves in a week and 10% of the remaining leaves in the next week. What percentage of the original number of leaves are on the tree then?				C
				Answe	ers option		
		Opt	ion A	Option B	Option C		Option D
		7	5%	23. 50%	76. 50%		74. 50%

S.N	Folder Number & Question Code	Topic	Questio (n with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
6	1_2 Mathematics 6917	Comparing Quantities	A dealer buys Rs 200 and Rs selling, he ma 525. What pri the chair if he percentage p on both the it	a chair and a table at 500 respectively. For rks the table at Rs ce should he ask for wants the rofit to be the same ems ?		D
				Answe	ers option	
	Opt		ion A	Option B	Option C	Option D
		Rs		Rs 205	Rs 190	Rs 210

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Image (If Any)	Correct Answer (Option- A,B,C,D)
7		Comparing Which of the Quantities (shown by the represented a decimal?		e following fractions ne shading) can be as a recurring		D
	1_2			Answe		
	Mathematics	Opt	ion A	Option B	Option C	Option D
	6921					

S.N	Folder Number & Question Code	Торіс	Question with Answer Options		Image (If Any)		Correct Answer (Option- A,B,C,D)
8	1_2 Mathematics 6923	Comparing Quantities	Both the scales below are balanced. The weight required on the right hand side to balance the scale shown below will be?				В
		Opt 2	ion A 50g	Answe Option B 200 g	ers option Optio 300	on C D g	Option D 225 g

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Image (If Any)	Correct Answer (Option- A,B,C,D)
9	1_2 Mathematics 6925	Comparing Quantities	Nimisha wan like the one s part of the w thirdof each What should measure of t the centre by	ts to draw a wheel shown. Each shaded heel should be one unshaded part. be the degree he angle formed at y each shaded part?		A
				Answe	ers option	
	Ор		ion A	Option B	Option C	Option D
		2	2.5 0	20 ⁰	25 ⁰	30 ⁰

S.N	Folder Number & Question Code	Topic	Question with AnswerImageOptions(If Any)			Image (If Any)	Correct Answer (Option- A,B,C,D)	
10	1_4 Mathematics	Comparing Quantities	What percen shown is shad	tage of the figure ded?			A	
	7578	Answers option						
			ion A	Option B	0	ption C	Option D	
		2	0% 33 ¹ / _{3 %}			50%	30%	

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Image (If Any)	Correct Answer (Option- A,B,C,D)
11		Comparing Quantities	How many p one are need complete cir	ieces exactly like this ded to form a cle (circular region)?	30°	
	1_4 Mathematics 7597			Answe	ers option	Ontion D
			6	8	10	12

S.N	Folder Number & Question Code	Topic	Questic	on with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)		
12	1_4 Mathematics 7599	Comparing Quantities	Nandini mak and divides i portions for However, jus eat it, an une and Nandini the halwa ini By what pero family memb due to this?	es 'halwa' one evening t into four equal her family of four. st as they are about to expected guest arrives has to now re-divide to five equal portions. centage has each per's share reduced		C		
				Answe	ers option			
		Opt	tion A	Option B	Option C	Option D		
		[5%	10%	20%	25%		
			5/0 10/0 20/0					

S.N	Folder Number & Question Code	Topic	Questio	on with Answer Options	In (If	nage Any)	Correct Answer (Option- A,B,C,D)
13	1_4 Mathematics 7608	Comparing Quantities	The fastest s can run at a s km/hr while speed of 48 k seconds wou the distance runs in 30 se	printer in the world speed of about 36 a cat can run at a km/hr. How many ld a cat take to run which the sprinter conds?			D
				Answ	ers option		
		Opt	ion A	Option B	Optic	on C	Option D
			40		25	5	22 ½

S.N	Folder Number & Question Code	Торіс	Questic	on with Answer Options	Imag (If An	ge ly)	Correct Answer (Option- A,B,C,D)	
14		Comparing Quantities	Convert 3.33	% into a fraction.			D	
	2_11 Mathematics			Answers option				
	5266	Opt	ion A	Option B	Option C		Option D	
	5200	3	33	333/10	333/100		333/10000	

	Folder Number & Question Code	Topic	Questio	n with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
15	2_11 Mathematics	Comparing Quantities	A tree sheds week and 109 leaves in the percentage o of leaves are	15% of its leaves in a % of the remaining next week. What f the original number on the tree then?		C
	5269			Answe	ers option	
		Opt	ion A	Option B	Option C	Option D
		7	5%	23.50%	76.50%	74.50%

Subject: Mathematics

Class VIII

Q. N	Folde r Numb er & Quest ion Code	Compar In a cric		on with er Options	Im (If	age Any)			Co rre ct An sw er (O pti on - A, B,C .D)
1	5_26 Mathe matics 1676	Compar ing Quantit ies	In a crick had to se overs to an avera per over overs. W average for the r order to	ket match, Pakistar core 307 runs in 50 win. They scored a ge rate of 5.6 runs in the first 20 /hat should be thei run rate per over emaining overs in reach the target?	n) at				C
				A	0			1	
		Ontior	Δ	Answer Option B	Optio	ns m (Ontion D	1	
		5.6		6.14	6.5		8.4	1	
							<u> </u>	L	
2	5_26 Mathe matics 1677	Compar ing Quantit ies	It is belie in which ratio is al pleasant Such a re Golden R the follow closest to	ved that a rectangle the length to breadt oout 1.62, is most to the human eye. ctangle is called a ectangle. Which of wing rectangles is o a Golden Rectangle	h .?				D
								7	
				Answer	Options				
		Option	n A	Option B	Optio	on C	Option D		

		A		В.	C.	D.					
3	5_26M athema tics 1678	Compar ing Quantit ies	If we inco 33%, the would be	rease a number x by resulting number e				В			
				Answer	Options		_				
		<u>Optior</u> 33 + x	n A	Option B 1.33x	$\frac{100x+33}{100}$	Option D 34 x	_				
4	5_26M athema tics 1682	Compar ing Quantit ies	The ratio of Jane is Jane's ag 4:3. If Sm how old	of Neha's age to th 4:7 and the ratio of e to that of Smita is hita is 21 years old, is Neha?	at f	1		В			
				Answer	Options		7				
		Optior	n A	Option B	Option C	Option D					
		4 years		16 years	21 years	21 years 28 years					
5	5_26 Mathe matics 1683	Compar ing Quantit ies	A part of bill is sho For what given.	Mr. Nitin's telepho own in image 1. period this bill is	ne CUSTOMER'S NAME & ADDR KUMAR NITIN S-1/12 SHANTI BUCLAVE NARANPUA, AHMEDABAD 380013 Image 1	BHARAT SANCHAR NIGAM LTD. AHMEDABAD TELECOM DISTRICT BILL NO T23112002692C62 TELEPHONE NO 27650079 BILL DATE 23-MAY-03 PAY BY DATE 16-JUNE-03	Page No: 1 of 2 TELEPHONE BILL CUSTOMER'S COPY DEVINIG METER READING 17855 INAMILAR DOSING WETER READING 19985 BARRILAR TOTAL CALLS 1400 REE CALLS 159	D			
				Answer	Options		_				
		Option	n A	Option B	Option C	Option D	4				
		1 st Marc to 31 st M 2003.	n 2003 Iarch	16 th June 2003.	16 th September 2003.	30 th April 2003.					

6	5_26M athema tics 1684	Compar ing Quantit ies	A part of bill is sho Call char image 2. What are for this b	Mr. Nitin's telephor own in image 1. ges are calculated as e the total call charge ill?	HARAT SANCHAR NIGAMED. AHMEDABAD TELECOM DISTRICT Page Kr: 1 df TELEPHONE CUT CUSTOMER'S NAME & ADDRESS KUMAR NTIN SHATT SOLODE, NAMEDABAD 380013 SHATT SANCHAR NIGHTER READING AT THE READING OF THE AMARKA OF THE OF					
			<u> </u>		1					
				Answer	ptions					
		Optior	n A	Option B	ption C	Opt	tion D			
		Rs 1250		Rs 1400	s 1450	Rs 1.	500			
7	5_26M athema tics 1695	Compar ing Quantit ies	A survey among so to find of number on the co The resu pie chart answer c What pe children spend ov the comp	was conducted choolchildren in a cit ut the average of hours they spent omputer every week lts are shown in the study it to the guestion rcent of the school who were surveyed ver 5 hours weekly o outer?	5 to 7 Hours (9%) 2 to 5 Hours (25%)	More than 7 Hours (1%	b) Below 1 Hour	I to 2 Hours ►(55%)	C	
				Answer	01	otions				
		Optior	n A	Option B	<u> </u>	ption C	Opt	tion D		
		35		10	9	<u>م</u>	1			
8	5_26M athema tics 1696	35109Compar ing Quantit iesA survey was conducted among schoolchildren in a city to find out the average number of hours they spent on the computer every week. The results are shown in the pie chart. Study it to the answer question The actual number of students in the '2 to 5 Hours' category was 312.What was the total number of students who took				5 to 7 Hours (9%) (25%)	More than 7 Hours (1%)	Below 1 Hour (10%)	2 Hours 55%)	C

			part in th	ne survey?					
				<u>.</u>	0.1				
			•	Answer	Options				
		Option	пA	Option B	Option C	Option D			
		78		936	1248	3120			
9	5 26M	Compar		was conducted					
5	3_20101 athema	ing	among s	choolchildren in a cit	Y	More than 7 Hours (1%) Below 1 Hour		А	
	tics	Quantit	to find o	ut the average	(10%)				
	1697	ies	number	of hours they spent	2 to 5 Hours (25%)◀	1 to 2 Hou (55%)	rs		
			on the co	omputer every week					
			pie chart	. Study it to the					
			answer c	juestion					
			Among t						
			in the 'Be						
			5% nad r						
			the total						
			surveyed had never used a						
			compute						
				Answer	Options	1			
		Optior	n A	Option B	Option C				
		0.50%		2%	15%	50%			
10	5 20	Compar	Nandini	makes 'halwa' one					
10	5_29 Mathe	ing	evening	and divides it into				C	
	matics	Ouantit	four equ	al portions for her				C	
	11375	ies	family of	four. However, just					
			as they a	re about to eat it, ar	ו ו				
			Unexpect	ted guest arrives and					
			the halw	a into five equal					
			portions	. By what percentage	2				
			has each						
			share reduced due to this?						
				Answer	Options				
		Option	n A	Option B	Option C	Option D			
		5%		10%	20%	25%			
1									

11	5_29 Mathe matics 11376	Compar ing Quantit ies	Bipasha in 12 mi Sujata ta time to o number 24 rasgu them. If normal s rasgullas many ra Sujata h	can eat 24 rasgulla nutes. Her friend akes double the eat the same .One day they buy illas and start eatir they eat at their speeds till the s are over, how sgullas would ave eaten?	ng				В
				Ancwor	י ה י	ntions]		
		Ontior	ם <u>א</u>	Ontion R		Intion C	Ontion D		
		6		8	1	2	16		
				<u> </u>	1 - 1	_			
12	5_29 Mathe matics 11389	Compar ing Quantit ies	See the relation Which o correct and y?	table showing a between x and y. If these is the relation between x		x 2 y 0.5 Table	4 6 8 10 1 1.5 2 2.5		В
				Answer	'Or	ptions			
		Optior	n A	Option B	0	ption C	Option D		
		4x = y		$\frac{x}{y} = 4$	×۷	y = 4	y = x - 3		
13	5_29 Mathe matics 11390	Compar ing Quantit ies	par Shivani pays Rs. 450 for a ready-made salwar kurta tit set she buys from Grandways during a sale (see the notice). How much money did she save because of the sale?			GRANDWAYS 10% off Ready-m	S STORES		В
				Answer	'Or	ptions			
		Option	пA	Option B	0	ption C	Option D		
		Rs 55		Rs 50	R	s 49.50	Rs 40.50		
14	2_11 Mathe matics 4446	VISUALI SING SOLID SHAPES	Ginny ha cubes of designs faces. N ALL 6 cu design.	as a set of 6 small f the same size wit painted on the o two faces (amon bes) have the sam	h g e			Ť	D

			Ginny w cubes to maximu differen from ou solids sh she forn	ants to stick all 6 ogether so that the m number of t designs are visible tside. Which of the nown below should n?	e 2			
				Answer	Options			
		Optior	n A	Option B	Option C	Option D		
			× / •	B.	• • • • • • • • • • • • • • • • • • •	D.		
15		VISUALI	What is	the least number of	of	/	\frown	
		SOLID	has to b	e rotated about its		\longrightarrow	. /	Ľ
	2_11 Mathe	SHAPES	centre t	o get figure Y?	×	-3	Y	
	matics							
	4444			Answer	Options			
		Optior	n A	Option B	Option C	Option D		
		60 ⁰		45 ⁰	30 ⁰	15 ⁰		

Subject- Mathematics

Class-VIII

S.N	Folder Number & Question Code	Торіс	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
1	3_18 Mathematics	VISUALISING SOLID SHAPES	In the figure, lines PT and RU are parallel. What is the measure of the angle marked x?	Q S T	C
	3355				
			Answ	vers option	
		Option A	Option B	Option C	Option D
		77 ⁰	83 ⁰	97 ⁰	103 ⁰
2	3_18 Mathematics 3359	VISUALISING SOLID SHAPES	A cube has the lett and N on two of its The other four face BLANK. This is one of the cube:	ers M faces. es are view	С
			Which of these is a view of the same c	nother ube?	

				Answe	rs optio	า						
		Option A		Option B	T	Option C	Option	D				
		M N A.		M B.	M C.		Z D.					
		VISUALISING SOUD SHADES What is the mi			[[
3	3_18 Mathematics 3372	Option A 9 ⁰		S What is the minin number of degree which the shape below has to be rotated (about its centre) so that it looks exactly the s as it does now? Answer Option B 100 ⁰	same	• • • • • • • • • • • • • • • • • • •	Option 360 ⁰	D D				
4	2_11 Mathematics 4432	VISUALISING SOLID SHAPES	The sch the pas sho Whi is th cou nun sea	e top view of a ool bus showing arrangement of the senger seats is wn below: ich of the following ne correct way of nting the total nber of passenger ts in the bus?	1 DRIVER			C				

			Answer	s option							
		Option A	Option B	Option C	Option D						
		3 + 2 × 12 + 6	6 - 1 × 13 + 1	5 × 12 + 6	2 + 3 × 13 – 12						
5		VISUALISING SOLID SHAPE	S If the above figure i turned by 270° in an ANTICLOCKWISE DIRECTION, which o would be the result	s n of these ?	A						
	2_11										
	Mathematics		Answer	s option							
	5282	Option A	Option B	Option C	Option D						
			B	· ·							
6		VISUALISING SOLID SHAPE	S Here is a letter pat Study it carefully a answer questions 3	tern. aba nd abcba 32 and abcdcl	a B Da						
	2_11		33	:							
	Mathematics		How many times w	vould							
	5286		you have written t	he							
			letter 'c' if you com	plete							
			writing this pattern	n up to							
			the end of the TEN	TH							
			row?								

		Answers option									
				Opt	Opt	Opt	Opt				
				ion	ion	ion	ion				
				Α	В	С	D				
				10	15	19	45				
7	2_11 Mathematics	Mensuration	Nimisha want shown. Each be one third o should be the formed at the	ts to dra shaded of each e degree e centre	aw a w part o unsha e meas e by ea	heel li f the w ded pa ure of ch sha	ke the or rheel sho rt. What the ang ded part	ne ould t le t?		A	_
	5274		Answor	s ontio	n						
		Ontion A	Ontion B		ntion (Onti	on D			
		22.5°	20°	0	25°	,	30	0°			
		i									
		Mensuration	Which	of the	follow	ing is I	NOT a				С
8	2_11 Mathematics 5275		correc square	ct way of finding the area of the e frame shown below?			the	47.8 cm			
						Ans	wers option				
----	-----------------------------	-------	-------------------------------------	---	--	---	--	---------------------	---		
			Option	A	Optio	on B	Option C	Option D			
			52.2 ² - 47	⁷ .8 ² 2 x	(52.2 x 2 2.2	2.2) + (47.8 x 2)}	52.2 x 4.4 x 2 + 47.8 x 4.4 x 2	100 x (52.2 - 47.8)			
9		Mens	uration	A s fro sho OR WI FO RE UN	mall cube om a larger own below diGINAL CU HICH OF TH LLOWING MAIN ICHANGED	is cut off cube as v. For the JBE, HE WILL	cut off ube as For the E, /ILL		B		
	2_11 Mathematics 5285		Option A the volume	Answer Option B the total surface area	rs option Option C the number of edges	Option D The number of corners					
10	2_11 Mathematics 4430	Mensi	uration A b If E u s	rectangle elow: the width FGH is dee nits, by he hould the	EFGH is s of rectan creased by ow many u length be	hown gle y 2 units H	B B B B B Units B				

			increased so that of the rectangle unchanged?	Option A 2	Answer Option B 4	s option Option C 8	Option D 16s			
11	2_11 Mathematics 4437	Mensuration	The formula fo perimeter (P) of when the length breadth (b) are (I + b). Which of the for correct sequent obtain the length rectangle when perimeter and known?	r finding th of a rectang th (I) and e given isP = ollowing is t the of a the breadth are	e le 2 he to					D
		Subtrac then di	Option A t b from P and vide the result by 2.	Optio Divide P then div result	Answ on B oy b and ide the by 2.	vers option Multi then	n Option C ply P by 2 a add b to th result.	nd ne	Option D Divide P by 2 and then subtract b from the result.	

12	2_11 Mathematics	Mensuration 1 of hc cc		1 millilitre (ml) can be defined as the volume of liquid that a cubical box of side 1 cm can hold. How many LITRES of liquid can the container shown here hold?				D	
	4441				Δρουρ	r ontion			
			Option	A	Option B	Option	ion C	Option D	
			2000		20	1	10	2	
							F .	20cm	
13	2_11 Mathematics 4449	Mensuration atics			A group of students fr Czech Republic are go Farhan's school. Farha to paint a Czech flag t his classroom. The dir and colours of the flag shown: If one vertex of the tr exactly at the centre of how much area would paint blue?	rom the ing to visit an is asked o put up in nensions g are as angle is of the flag, d Farhan	20cm BLUE	WHITE RED	A
					Answe	rs option			
			Option	Α	Option B	Opt	ion C	Option D	
			150 sq.c	cm	200 sq.cm	300 :	sq.cm	400 sq.cm	
								1	

14	2_11 Mathematics 5257	Mensuration	Bat cm and Rar	Commense on the sticks of lengths 3, 4 and 5 cm. Ramesh has three sticks of lengths 3, 5 and 9 cm. How many triangles can Bablu and Ramesh make with their sticks?						A
					Answers	option				
		Option A	Option A		ption B	Option C		Option D		
		Bablu: 1, Rames	h: 0	: 0 Bablu: 2, Ramesh: 1		Bablu: 1, Ramesh: 1 Bablu: 0, R		Bablu: 0, Rame	sh: 2	
15		Mensuration	Wha shac the	what is the area of the shaded portion if the area of the circle is 56 sq cm?			Area of t	the circle = 56 cm ²	В	
	2_11 Mathematics 5259				A a a					
			Ontic	n A	Ontion B	Ontion	C	Ontion D		
			12 sq	cm	14 sq cm	14.8 sq	cm	18.5 sq cm		

Question Paper

Subject: Mathematics Grade: 8th

Set 2

S.N	Folder Number & Question Code	Торіс	Quest	ion with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
1	1_2 Mathematics	Mensuration	Bablu has t 4 and 5 cm sticks of le How many Ramesh m	three sticks of lengths 3, n. Ramesh has three ngths 3, 5 and 9 cm. r triangles can Bablu and ake with their sticks?		A
	6896			Answer	rs option	
		Optio	on A	Option B	Option C	Option D
		Bablu: 1, Ra	amesh: 0	Bablu: 2, Ramesh: 1	Bablu: 1, Ramesh: 1	Bablu: 0, Ramesh: 2

S.N	Folder Number & Question Code	Topic	Questio	on with Answer Options	Image (If Any)		Correct Answer (Option- A,B,C,D)
2	1_2 Mathematics 6898	Mensuration	The figure network. It and nodes. from a nod route of th <u>repeating a</u> <u>node may l</u> possible to	below is called a is made up of links The aim is to start and complete a full e links <u>without</u> any link (though a <u>be repeated.)</u> Is it do this?	Node 3	2 Link	C
				Ansv	vers option		
		Optio	on A	Option B	Option C	(Option D
		It is possib from an	ble starting It is possible only if w ny node. start from nodes 1 or		we It is possible only if we It r 2 start from nodes 3 or 4		not possible.
				1	1	1	

S.N	Folder Number & Question Code	Торіс	Question with Answer Options		Image (If Any)		Correct Answer (Option- A,B,C,D)
3	1_2 Mathematics 6899	Mensuration	Sukhia, Babu and Ram are 3 farmers each having a small plot of land. Two of them have rectangular plots, and one has a square plot. Some more facts about their plots are: Who has the square plot?	Sukhia Babu Datta Ram	Perimeter of plot (in metres) 100 120 140	Area of plot (in square metres) 600 900 1200	В
				Answ	vers option		
		Or S	ution A	Option B Babu	Option C Ram	C Optic None of	n D f them
			I		1	I	

S.N	Folder Number & Question Code	Topic	Questi	on with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
4	1_2 Mathematics 6904	Mensuration	Consider th below. Which of tl about their perimeters	ne two figures given ne following is true r areas and ?		B a
				Answe	ers option	-
		Optic	on A	Option B	Option C	Option D
		The areas same, perir differ	are the neters are ent.	The areas are different, perimeters are the same.	The areas and perimeters are both different.	The areas and perimeters are both the same.

S.N	Folder Number & Question Code	Topic	Question O	with Answer ptions	er Image (If Any)		Correct Answer (Option- A,B,C,D)
5	1_2 Mathematics	Mensuration	What is the area of the shaded portion if the area of the circle is 56 cm ² ?			В	
	0,00			A	nswers option	n	
		Opti	on A	Option B	n B Option C		Option D
		12 (cm ²	14 cm ²		14. 8 cm ²	18. 5 cm ²

S.N	Folder Number & Question Code	Topic	Questi	on with Answer Options	Ima (If Ar	ge ny)	Correct Answer (Option- A,B,C,D)
6	1_2 Mathematics 6909	Mensuration	In the given side 'a' cm 'b' cm each square as s What will k the shaded	n figure one square of and 2 squares of side a are inside a larger hown. be the area (in cm ²) of I portion?	a	b	A
				Answe	rs option		
		Optic	on A	Option B	Option C		Option D
		2 ab	- b²	$a^2 + 2b^2$	a ² - b ²		$a^2 + b^2$

S.N	Folder Number & Question Code	Topic	Quest	ion with Answer Options	Image (If Any)	Cor Ans (Opt A,B,	rect wer tion- C,D)
7	1_2 Mathematics	Mensuration	What is th stick that o box of the below?	e length of the longest can be packed in the dimensions shown	40 cm	20 cm	C
	0910			Answe	rs option		
		Optio	n A	Option B	Option C	Option D)
		90 c	m	70 cm	√ 2900	√ 2400	

S.N	Folder Number & Question Code	Topic	Questi	on with Answer Options	Image (If Any)		Correct Answer (Option- A,B,C,D)		
8		Mensuration	100 centim decimetres	100 centimetres (cm) = 10 decimetres (dm) = 1 metre (m)					
	1_2 Mathematics 6911		1 cm x 1 cm (cc is short and is a uni 1 litre is de How many	n x 1 cm = 1 cm ³ = 1 cc for <u>cubic centimetre,</u> it of volume) fined as 1 dm ³ cc is one 1 millilitre?			A		
				Answer	's option				
		Optic	on A	Option B	Option C		Option D		
		1 c	с	10 cc	100 cc		1000 cc		

S.N	Folder Number & Question Code	Topic	Quest	ion with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
9	1_2 Mathematics 6912	Mensuration	A man con between E at exactly for half the kilometres remaining average sp journey?	npletes the distance Delhi and Agra travelling 40 kilometres per hour e distance, at 60 5 per hour for the half. What is his Deed for the whole		C
				Answer	s option	
		Option A 50 kilometres per hour		Option B	Option C	Option D
				24 kilometres per hour	48 kilometres per hour	Cannot be calculated.

S.N	Folder Number & Question Code	Topic	Questi	on with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
10	1_2 Mathematics 6914	Mensuration	Three poin shown on t wooden cu cut off alor through the be the sum edges (in ci pyramid?	ts are marked as three edges of a be and the corner is og the plane passing ese points. What will of the lengths of the m) of the resulting	3 cm 3 cm 5 cm	D
				Answe	rs option	
		Option A 10		Option B	Option C	Option D
				6+√ 8	15	6+3√ 8
			I		I I	

S.N	Folder Number & Question Code	Topic	Question with AnswerImageOptions(If Any)		Correct Answer (Option- A,B,C,D)	
11	1_2 Mathematics	Mensuration	In the follo QP II AB an If the perin the perime	wing figure PR II AC, d RQ II BC. neter of ABC is 24 cm, eter of PQR will be	B P	c
	6919			Answe	rs option	
	Optio		on A	Option B	Option C	Option D
		6 ci	m	8 cm	12 cm	16 cm

S.N	Folder Number & Question Code	Topic	Questio	on with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
12	1_2 Mathematics 6920	Mensuration	The solid sh of unit cube squares of s <u>on the from</u> each unit as The remain exposed pa is	nown here is made up es of side 'a' cm. Black side 'b' cm are painted <u>t and back faces</u> of s shown. ing area of the rt of the solid (in cm ²)	Square of side 'b' a a	D
		Optic	on A	Option B	Option C	Option D
		8a ² -	3b ²	6a ² - 3b ²	8a ² - 6b ²	14a ² - 6b ²

S.N	Folder Number & Question Code	Topic	Questi	on with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
13	1_2 Mathematics	Mensuration	The height of triangle PQR is double the height of triangle ABC, while the base of triangle ABC is double the base of triangle PQR. The ratio of the areas of triangles ABC and PQR will be			A
	6924			Answe	ers option	
			on A	Option B	Option C	Option D
		01:0	01	01:02	02:01	02:03
					· · ·	

S.N	Folder Number & Question Code	Topic	Quest	ion with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
14	1_2 Mathematics	Mensuration	Which of t correct wa the <u>square</u>	he following is NOT a by of finding the area of a frame shown below.	47.8 cm ← 52.2 cm	С
	0520					
				Answer	's option	
		Optic	on A	Option B	Option C	Option D
		52.2 ² - 47.8 ²		2 x {(52.2 x 2.2) + (47.8 x 2.2)}	52.2 x 4.4 x 2 + 47.8 x 4.4 x 2	100 x (52.2 - 47.8)

S.N	Folder Number & Question Code	Topic	Questio	on with Answer Options	Image (If Any)		Correct Answer (Option- A,B,C,D)
15		Mensuration	The measure the triangles correct. Whi (REMEMBER to scale)	ements of ONLY ONE of shown below can be ch one is it? , the figures are NOT			С
	2 10			Answers	option		
		Option A		Option B	Option C		Option D
	Mathematics 5848	50 th 60	o ^o sen cm A	60 ^{ch} 3.5 cm B	Eg 4.5 cm C	5	100° 5° 35° D

SET -13

Subject: Mathematics Grade: 8th

S.N	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)		
1	3_18 Mathematics 3369	Mensuration	EVERY number in area Q must be divisible by	Multiples of 6 Multiple P R Multiples of both 4 and 6	B S		
		Answers option					
		Opti	ion A Option	B Option C	Option D		
		1	.0	16 2	24		

S.N	Folder Number & Question Code	Topic	Quest	ion with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)	
2	3_18	Mensuration	The shape up of iden If the area 24 cm ² , wl	given below is made tical small squares. of the whole shape is hat is its perimeter?		В	
	3371	Optio 24 c	n A m	Answe Option B 28 cm	rs option Option C 48 cm	Option D 56 cm	

S.N	Folder Number & Question Code	Topic	Questi	on with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)	
3	3_18 Mathematics 3373	Mensuration	What is the part of the s below?	area of the shaded SQUARE shown	Tem Tem	C	
			1	Answe	rs option		
		Optic	on A	Option B	Option C	Option D	
		35 sq	cm	70 sq cm	85 sq cm	93 sq cm	

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Image (If Any)		Correct Answer (Option- A,B,C,D)
4	3_18 Mathematics 3381	Mensuration	In a triangle PQR, $\angle Q$ =50 ⁰ and $\angle R$ =75 ⁰ . Which of these statements is true about the sides of the triangle?	In a triangle $PQR \angle Q = 50^{\circ}$ and $\angle R = 75^{\circ}$. Which of these statements is true about the sides of the triangle?		A	
		C F	Pption A PR < QR	Answers Option B QR = PQ	Option D PQ < QR)	

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Image (If Any)			Correct Answer (Option- A,B,C,D)	
5	3_18 Mathematics 3384	Mensuration	Frostee ice of are available different size below. Abbas needs vanilla ice cr party. What MINIMUM of Abbas can g cream for hi	ream packs in two es as shown a 10 litres of eam for a is the ost at which et enough ice s party?	NET CONTEN M.R.P Rs. 5	T - 1.5 litres	NET CONTENT - 1 M.R.P Rs.40		A
					Answers	option			
		Opt	Option A Option		ו B	Option	С	Op	otion D
	Rs. 340	340	Rs. 35	50	Rs. 40	0	Rs. 450		

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Question with Answer Options		Image (If Any)	Correct Answer (Option- A,B,C,D)
6		Mensuration	How many one are ne complete c	pieces exactly like this eded to form a ircle (circular region)?	30°	D		
	1_4 Mathematics							
	7579							
				Answei	rs option			
		Optio	n A	Option B	Option C	Option D		
		6		8	10	12		

S.N	Folder Number & Question Code	Topic	Question with Answer Options			Correct Answer (Option- A,B,C,D)		
7	1_4 Mathematics 7583	Mensuration	A part of one vessel is show Using this be of these mea can be made	e side of a wn below. aker which surements EXACTLY?	140 120 100 ml		- 160 - 140 - 120 - 100 - 80 - 60 - 40 - 20	C
					Answers opt	ion		
		Opti	on A	Option	В	Option C	(Option D
		121.	5 ml	124 m	nl 👘	125 ml		128 ml

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Question with Answer Options		Image (If Any)	Correct Answer (Option- A,B,C,D)
8	1_4 Mathematics	Mensuration	If the abov 270° in an direction, the result?	ve figure is turned by ANTICLOCKWISE which of these would be		A		
	7501			Answer	s option			
		Optic	on A	Option B	Option C	Option D		
			★	B	c	D		

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Image (If Any)	Correct Answer (Option- A,B,C,D)
9	1_4 Mathematics 7586	Mensuration	What is the part of the	e area of the shaded square?	$ \underbrace{ 2 \alpha } $	C
				Answe	rs option	
		Optic	on A	Option B	Option C	Option D
		2a ² -	ab	4a - ab	4a ² - ab	2a ² + ab

S.N	Folder Number & Question Code	Topic	Question with AnswerImageOptions(If Any)		Question with Answer Options		Correct Answer (Option- A,B,C,D)	
10	1_4 Mathematics 7589	Mensuration	A small cub larger cube For the ORI of the follor unchanged	e is cut off from a as shown below. GINAL CUBE, which wing will remain	Small cube cut off		e cut off	В
		Optio the vo	Ansy on A Option B lume the total surface are		wers ea	option Option C the number of edges	the nu	Option D mber of corners

S. N	Folder Number & Question Code	Торіс	Question	n with Answer Option	s Image (If Any)	Correct Answer (Option- A,B,C,D)
11	1_4 Mathematics	Mensuration	Which figur perimeter a	e below has the same s?		A
	7390			Answers o	ption	
		Opti	on A	Option B	Option C	Option D

S. N	Folder Number & Question Code	Topic	Question with Answer Options		Image (If Any)	Correct Answer (Option-A,B,C,D)
12	Mensuration		The three triangles units?	e sides of which of these could be 9, 12 and 15		C
	7502			Answers	option	
	1552	Optio	n A	Option B	Option C	Option D
				В	c	D

S. N	Folder Number & Question Code	Topic	Question with AnswerImageOptions(If Any)		Correct Answer (Option-A,B,C,D)
13	14	Mensuration	A triangle can be formed using which of the following sets of sticks?		A
	Mathematics 7595	Option	Ans n A Option B 3 cm 1 d cm 6 cm	Option C Option C 1 cm 3 cm 6 cm	Option D 1 cm 3 cm 4 cm

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Question with Answer Image Options (If Any)		Correct Answer (Option- A,B,C,D)
14	1_4 Mathematics 7600	Mensuration	What is th figure show	e perimeter of the wn below?	3cm	4cm 6cm 8cm	С
				Answe	ers option		
		Optio	n A	Option B	Op	tion C	Option D
		21 ur	nits	24 units	26	units	28 units

S. N	Folder Number & Question Code	Topic	Question OI	with Answer otions		Image (If Any)				
15	1_4 Mathematics 7605	Mensuration	In the above these will NC	figure, which of)T equal 180°?	В	A D C E F	× °	D		
					Answer	s option				
		Ор	tion A	Option B		Option C	Option D			
		A+_1	3 +∠C	∠F+∠G		$\angle A + \angle B + \angle D + \angle F$	∠ E +∠ A +∠ B			

S. N	Folder Numbe r & Questi on Code	Topic	Questi on with Answe r Optio ns		Image (If Any)	Corre ct Answ er (Opti on- A,B,C, D)
1	2_10 Mathem atics 5859	MENSURATI ON	A small cube is cut off from a larger cube as shown below What is the number of FACES and EDGES in the cut cube as shown above?	Edges		Fac
				Answer	s option	
		Option A		Option B	Option C	Option D
		Faces: 6 Edge	s: Fac	es: 9 Edges:	Faces: 9 Edges:	Faces: 6 Edges:
		12		21	12	18
S.N	Folder Number & Question Code	Торіс	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)	
-----	--	-------------	---------------------------------------	--------------------------------------	---	
2	2_10 Mathematics	MENSURATION	What is the area of this shape?	3 cm 3 cm 3 cm 3 cm 5 cm	ГВ	
	2002	Option A	Ans Option B	swers option Option C	Option D	
		19 sq. cm	20 sq. cm	21 sq. cm	24 sq. cm	

S.N	Folder	Торіс	Question	Image	Correct
	Number &		with	(If Any)	Answer
	Question		Answer		(Option-
	Code		Options		A,B,C,D)

3	2_10 Mathematics 5872	MENSURATION	The diagonals of quadrilateral PQRS intersect at O. Which of the following is NOT a correct way of finding the Area of quadrilateral PQRS?	P	Q O S	R	D
			Ans	swers	s option	-	
		Option A	Option B		Option C	C	ption D
		Area(△PQR) +	Area(△POS)) +	Area(△POQ) +	Are	a(△PQR) +
		Area(△PSR)	Area(△SOR)) +	Area(△ROS) +	Are	a(△PQS) +
			Area(∆PQF	२)	Area(△ROQ) +	Are	ea(△SOR)
					Area(△POS)		

S.N	Folder Number & Question Code	Торіс	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
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4	2_10 Mathematics 5874	MENSURATION	If the area of a circle of radius 7 cm is 154 sq cm, what is the area of the shaded portion of the figure shown below?	7 cm	В
			Answe	ers option	
		Option A	Option B	Option C	Option D
		9 sq cm	10.5sq cm	12.25 sq cm	16.5sq cm

S.N	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
5	3_18 Mathematics 3351	MENSURATION	The solid shown below is made of 10 small cubes of side 2 cm each. What is the total volume of the		D

	Answers option							
	Option A	Option B	Option C	Option D				
2	0 sq cm	20 cu cm	40 sq cm	80 cu cm				

S.N	Folder Number & Question Code	Topic	Question with Answer Options	n Image (If Any)	Correct Answer (Option- A,B,C,D)
6	3_18 Mathematics 3356	MENSURATION	Which of the following can NOT be used to measure the capacity of a container?		C
			Answers	option	
		Option A	Option B	Option C	Option D
		dm ³	litre	cm ²	ml

S	Folder Number & Question	Торіс	Qu	Im	С
-	Code		est	age	0
ľ			ion	(If	r
			wit	An	r
			h	y)	e
			An		С
			SW		t
			er		Α
			Op		n
			tio		S
			ns		W
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					-
					Α
					,
					B
					,
					C

							, D)
7		MENSURATIO	N	Th bo is di	he ox ivi	Mult	D
				in fo se	eu nto our ep rat		
				e ar s l Q	rea P,		
	3_18 Mathematics 3368			ar S. w ch	nd . In /hi h		
				ar sh ul 38	rea ho ld 8		
				be pl ec	e lac d?		
			Δρεινοτ	sontion			
		Option A	Option B	Option C	0	ption [C
		Р	Q	R		S	
S.N	Folder Number & Questi	on Code	Торі	c Qu	ı Ir	nage	e (
0.				est ion wit h	t n <i>A</i> t	(If Any)	C r r e

			An sw er Op tio ns	c t A n s v e r () 0 p t i
		Mensuration	Wh	C F F F F F F F F F F F C F F C F C F C
8	1_4 Mathematics 7607		at is the area of the sha ded part of the rect	3cm

					anı e?	gl		
			Ontio	Ansv	vers o	ptio Doti		tio
			n A	n F	3	n C		
			4 sq	8 s	q !	9 sc	g 12	sq
			cm	cm	n	cm	i c	m
S.	Fol	l Topic		(Jues	Ι	mage	C
Ν	de			1	tion		(If	0
	r			۲	with		Any)	r
	Nu			4	Ans			r
	mb				wer			e
	er				opti			C
	& 				0115			
	Qu	-						n
	ion							s II
	Co							w
	de							e
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								ti
								0
								n
								-
								A
								B
								, C

							, D)
9	1_4 Mat he mat ics 761 4	Mensuration			What is the area of the shade d portio n if the area of the circle is 64 cm ² Note: PQ is a straig ht line passin g throu gh the centre of the circle.	P	В
			Anguar	ontion			
		Option A	Option B	Option C		Option D	
		8cm ²	16 cm ²	16.8 cm ²		28 cm ²	

S. N o	Folder Number & Question Code		Торі	C		Questio n with Answer Options	I (I	mage f Any)	Co rre ct An sw er (O pti on- A,B ,C, D)
1 0	2_11 Mathematics 5281	Mensurati	on		A c a s b b t t n e b b E E	A part of one side of ovessel is hown below. Jsing this beaker which of hese neasurem ents can be made XACTLY?		o o o mi	C
				Ans	wer	s option			
				124 ml		125 n	n L	1 20 J	nl
		121.5	, , , , , , , , , , , , , , , , , , , ,	127 111		1231		1201	
S.No Folder N & Questic		umber Topic on Code		W	Question with Answer		Image [If Any]	Corr ect	
						options			wer

					(Opt ion- A,B,C ,D)	
11	2 11	Mensuration	What is t of the sh part of th square?	he area aded ne		
	Mathematics 5283					
			Answer	s option		
		Option A	Option B	Option C	Option D	
		2a ² - ab	4a - ab	4a² - ab	2a ² + ab	
			I	L		

S.N o	Folder Number & Question Code	Topic	Questio n with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)
12	2_11 Mathematic s 5267	Mensuratio n	Consider the two figures given below. Which of the following is true about their areas and		В

per ?	imeters		
	Answer	s option	
Option A	Option B	Option C	Option D
The areas are the same, perimeters are different.	The areas are different, perimeters are the same.	The areas and perimeters are both different.	The areas and perimeters are both the same.

S.N o	Folder Numbe r & Questi on Code	Topic	Questi on with Answe r Optio ns	Image (If Any)	Corre ct Answ er (Opti on- A,B,C, D)
13	2_11 Mathem atics 4417	Mensuratio n	Of the pieces shown here, which two could form a semicircl e when placed next to each other with	en to the term of	Β

		their edges touching ?			
			Answer	s option	
	Option A	\	Option B	Option C	Option D
	Z and W		W and Y	Y and Z	Z and X

Set- 15

Subject – Mathematics

Class- 8th

S.N	Folder Number & Question Code	Торіс	Questic	on with Answer Options	Imag (If An	е у)	Correct Answer (Option- A,B,C,D)	
1		Playing with numbers	Which of the the number	ese would be equal to itself?			D	
	1_4			Answe	vers option			
		Opt	tion A	Option B	Option C		Option D	
	9621	50% of 50% of a number		100% of 200% of a number	75% of 25% of 25\% of 25	of a 20	00% of 50% of a number	

S.N	Folder Number & Question Code	Topic	Questic	on with Answer Options	Imaş (If Ar	ge ıy)	Correct Answer (Option- A,B,C,D)
2	1_4 Mathematics	Playing with numbers	23418 is exac Which of the will leave a r divided by 6	is exactly divisible by 6. a of the following numbers ave a remainder 2 when d by 6?			С
	7575			Answe	ers option		
	7373	Op	tion A	Option B	Option C		Option D
		23412		23416	23420	23420	

S.N	Folder Number & Question Code	Topic	Questio	on with Answer Options	Image (If Any)		Correct Answer (Option- A,B,C,D)	
3	1_4	Playing with numbers	The average Gopu, Ashish above, is 118 of their heig	height of Radhika, n and Komal shown 3 cm. What is the SUM hts?			В	
	Mathematics 7576			Answe	vers option			
	,,,,,	Opt	tion A	Option B	Option C		Option D	
		156 cm		472 cm	590 cm	Weo	can't say from the	
						giv	en information.	

S.N	Folder Number & Question Code	Topic	Questic	on with Answer Options	Image (If Any)		Correct Answer (Option- A,B,C,D)	
4	1_4	Playing with numbers	Which of the numbers arr order?	e following lists has anged in INCREASING			D	
	Mathematics			Answe	vers option			
	7577	Opt	tion A	Option B	Option C		Option D	
		-1/8, -1/7, 1/7, 1/8		1/7, -1/8, 1/7, 1/8	-1/8, -1/7, 1/8, 1/7	-1/7, -1/8, 1/8, 1/7		

S.N	Folder Number & Question Code	Topic	Questio	on with Answer Options	Imag (If Any	e y)	Correct Answer (Option- A,B,C,D)	
5		Playing with numbers	9.03 ÷ 899. 8 is closest to				Α	
	1_4 Mathematics 7580		·	Answe	ers option			
			ion A Option B		Option C		Option D 100	

S.N	Folder Number & Question Code	Topic	Questic	on with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
6	1_2 Mathematics 6913	Playing with Numbers	n! is defined first n natura example, 4! What is?	as the product of the al numbers. For = 1 x 2 x 3 x 4 = 24.	<u>8</u> ! 6!	C
				Answe	ers option	
		Ор	tion A	Option B	Option C	Option D
		4	0320	720	56	8
					· · ·	

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Image (If Any)	Correct Answer (Option- A,B,C,D)
7	1_4	Playing Which of with the maxi numbers written in		following will have n number of 6's when cimal form?		D
	Mathematics			Answe	ers option	
	7581	Opt	tion A	Option B	Option C	Option D
		666	6/1000	3/6	3/5	2/3

S.N	Folder Number & Question Code	Topic	Question with AnswerImageOptions(If Any))	Correct Answer (Option- A,B,C,D)	
8	1_4	Playing with numbers	If n is a negative following number for A	tive number, which of g would be a positive ALL values of n?			D
	Mathematics			Answe	ers option		
	7582	Opt	tion A	Option B	Option C		Option D
			2n	n + 5	n ³		3n ⁴

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Image (If Any)	Correct Answer (Option- A,B,C,D)
9	Playing with numbers		What is 7799 ÷ 19?			D
	Mathematics			Answe	ers option	
	7588	Opt	tion A	Option B	Option C	Option D
		Quoti	ent = 41,	Quotient = 41,	Quotient = 41.4,	Quotient = 410,
		Rema	nder = 0	Remainder = 9	Remainder = 14	Remainder = 9

S.N	Folder Number & Question Code	Topic	Questic	on with Answer Options	Image (If Any)		Correct Answer (Option- A,B,C,D)
10	10 Playing with number		x is an intege The largest p can take is	is an integer and 5 - x > 15. he largest possible value that x an take is			С
	Mathematics			Answe	ers option		
	7612	Op	tion A	Option B	Option C		Option D
			10	-10	-11		15

S.N	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)			Correct Answer (Option- A,B,C,D)
11	11 Playing If the pattern above is numbers continued, what will it look like between 93 and 95?					,^, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	С
	7613			Answer	s option		
			Option A	Option B	Option C	Option	D
			93 95	93 95 93 95 93		95	

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Image (If Any)	Correct Answer (Option- A,B,C,D)
12	14	Playing with numbers	Which of the reduce the n it is changed	se numbers will nost in value if the 7 in to a 6?			C
	Mathematics			Answe	ers option		
	7591	Option A		Option B	Option C		Option D
		7.04	5 × 10 ²	375.6 × 10 ⁰	0.72×10^4	3.00	007 × 10 ⁵

S.N	Folder Number & Question Code	Торіс	Question with Answer Options		Im (If A	age Any)	Correct Answer (Option- A,B,C,D)
13	1_4 Mathematics 7593	Playing With numbers	How many times would you have written the letter 'c' if you complete writing this pattern up to the end of the TENTH row?		a aba abcba abcdcba :		В
				Answe	ers option		
		Opt	tion A	Option B	Optior	n C	Option D
			10	15	19		45

S.N	Folder Number & Question Code	Торіс	Question with Answer Options		Ima (If A	ige ny)	Correct Answer (Option- A,B,C,D)
14	1_4 Mathematics 7594	Playing With numbers	In which row letters?	will there be 49	a ab abc abcd	a ba cba	С
				Answe	ers option		
		Op	tion A	Option B	Option	C	Option D
			7th	24th	25th		49th

S.N	Folder Number & Question Code	Topic	Question with Answer Image Options (If Any)		Correct Answer (Option- A,B,C,D)		
15	1_2 Mathematics 6897	Playing with Numbers	The sum of two numbers is -6. 5 and their difference is 4. 5. What are the numbers?				С
			Answers option				
		Ор	ion A Option B Option C			Option D	
		-1. 25 a	and -5. 25	1. 25 and -5. 25	-1 and -5. 5		1 and -7.5

Set-16

Subject: Mathematics Grade: 8th

S.N	Folder Number & Question Code	Topic	Questio (n with Answer Options	Image (If Any)		Correct Answer (Option- A,B,C,D)
1	2_10 Mathematics 5875	PLAYING WITH NUMBERS	Answer the q given informa shown below from 12:00 to At any time, t DIGITS display For example, at 1:25 is 1+2 1+0+2+5 = 8. sum of the di displayed be	uestion based on the ation. The digital clock displays the time o 11:59. The SUM OF THE yed can be calculated. the sum of the digits +5 = 8. At 10:25, it is At what time will the gits in the time MAXIMUM?	1:25- tc	or pm	D
				Answe	ers option		
		Opt	ion A	Option B	Option C	O	ption D
		12:	00:00	11:59:00 AM	10:59:00 AM	9:59	9:00 AM
			I		1	1	

S.N	Folder Number & Question Code	Topic	Questio	on with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
2	2_10 Mathematics 5876	PLAYING WITH NUMBERSAnswer the question based on the given information. The digital clock shown below displays the time from 12:00 to 11:59. At 1:01, 2:22, 3:53, etc. the time reads the same FORWARDS as well as BACKWARDS. From 12:00 noon to 11:59 pm, how many times will the clock show a time reading the same backwards and forwards? The clock does not display a zero before hours that do not require it, hence 1:01 should be counted, while 1:10 should not.		1:25 - for pn	C	
				Answe	ers option	
		Opt	ion A	Option B	Option C	Option D
			12	24	57	71

S.N	Folder Number & Question Code	Topic	Questio (n with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
3	2_10 Mathematics 5877	PLAYING WITH NUMBERS	Latif's Maths think of any w to 10. She the following: 1. Double this 2. Add 4 to th 3. Multiply th If we call the N, the numbe will be	teacher asks him to whole number from 1 en asks him to do the s number. e result. e sum by 5. number Latif thinks of er he gets at the end		A
		Answers option				
		Opt	ion A	Option B	Option C	Option D
		(N +	2) × 10	10N + 4		

S.N	Folder Number & Question Code	Topic	Question wit Answer Optio	th ons		Image (If Any)		Correct Answer (Option- A,B,C,D)
4	2_10 Mathematics 5879	PLAYING WITH NUMBERS	A few drops of wate fell on Pratik's phor diary and wiped out most of the digits of friend's phone num This is what remain The only other thing Pratik remembers is that the sum of any three consecutive d in the number was 17.Which of these i digit in the thousan place in the number	er ne t f his ober. s: g s; ligits s the d's r?	Ahmed Shah	¥ 8 ¥	1 3 3	В
					Answers o	ption		
			Option A		Option B	Option C	Option D	
			3		6	7	8	

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Image (If Any)		Correct Answer (Option- A,B,C,D)
5		PLAYING WITH NUMBERS	If the above pattern of faces continues, what will the 1001 st face be?				D
	2_10 Mathematics	Г		Answer	s option		
	5882	-	Option A	Option B	Option C	Option D	
			A O	в	c	D 😳	

S.N	Folder Number & Question Code	Торіс	Question with Ar Options	iswer		Image (If Any)		Correct Answer (Option-A,B,C,D)
6	6 PLAYING WITH NUMBE		Digital displays are often using 7-segment Light E Diodes (LEDs)like the or shown below: Depending on which of seven segments called a g gets power, different numbers or letters are displayed. For example, segments a, b, d, e and the number 2 is display (shown above, right sid figure). Study the above carefully and answer the question. Which segments must re power if the letter F is to displayed?	n made Emitting ne the a, b, c , if g are lit, ed e figures receive to be	e d d d d d d d d d d d d d d d d d d d			В
		Γ			Answers of	ption		
			Option A	0	ption B	Option C	Op	tion D
			d, IJ, Ũ, I	a	, e, i, g	c, u, e, g	D,	, c, u

S.N	Folder Number & Question Code	Topic	Question with Ans Options	wer		Image (If Any)		Correct Answer (Option-A,B,C,D)
7	2_10 Mathematics 5884	PLAYING WITH NUMBERS	Digital displays are often r using 7-segment Light Em Diodes (LEDs)like the one shown below: Depending on which of th seven segments called a, k g gets power, different numbers or letters are displayed. For example, if segments a, b, d, e and g a the number 2 is displayed (shown above, right side figure). Study the above fi carefully and answer the question. The number of LIT segmen 1 is 2. In 2, the number of segments is 5. Thus the INCREASE in the number of segments is 3. Between w two numbers does the nu of lit segments INCREASE MOST?	made itting he b, c are lit, igures nts in flit of lit which imber THE		ళ ೫ ೬ ೭	ಲ ೯	D
					Answers op	otion		
			Option A 0 and 1	Op [.] 1 a	tion B and 2	Option C 4 and 5	Op 7	tion D and 8

S.N	Folder Number & Question Code	Topic	Questio	n with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
8 3_18		PLAYING WITH NUMBERS	Ananth ran a average spee he started his what time dio	4 km stretch at an d of 10 km an hour. If s run at 5:00 AM, at d he finish?		A
	3357	Answ			ers option	
		Option A		Option B	Option C	Option D
		5:24 AM		5:40 AM	7:25 AM	7:30 AM
S.N	Folder Number & Question Code	Topic	Questio	on with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
-----	--	----------------------------	---	---	-----------------------	---
9		PLAYING WITH NUMBERS	The sum of t If the first nu be said abou	hree numbers is even. Imber is odd, what can t the other two?		В
	3_18			Answe	rs option	
		Opt	tion A	Option B	Option C	Option D
	5301	Both of th	nem are odd	One of them is even and the other odd	Both of them are even	We can't say for sure

S.N	Folder Number & Question Code	Topic	Questio	on with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
10		PLAYING WITH NUMBERS	7.32 x 10 ⁻² is	nearly equal to		D
	3_18 Mathematics			Answe	ers option	
	3370	Opt	tion A	Option B	Option C	Option D
		-	140	700	0.007	0.07

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Image (If Any)		Correct Answer (Option- A,B,C,D)
11	3_18 Mathematics 3378	PLAYING WITH NUMBERS	See the pattern of plain tiles and spotted tiles in the squares below to answer question. What will be the TOTAL number of spotted tiles needed to complete the patterns up to the sixth square? (including the first three)	Square 1 So Answer: Option B 27	quare 2 Squa	Plain tile Plain tile Plain tile Option D 36	В

S.N	Folder Number & Question Code	Topic	Question with Options	Answer 5		Ima (If A	age Any)		Correct Answer (Option- A,B,C,D)
12	3_18 Mathematics	PLAYING WITH NUMBERS	See the pattern of pla spotted tiles in the sq to answer the questio How many PLAIN tiles needed for the twenti	in tiles and uares below n. will be ieth square?	Square 1	Square 2	Square 3	→ Spotted tile	C
	3379				Answer	s option			
			Option A	Optio	n B	Optior	۱C	Option	D
			21	400		420		441	

S.N	Folder Number & Question Code	Topic	Question v Opt	vith Answer tions	(Image (If Any)		Correct Answer (Option- A,B,C,D)
13	3_18 Mathematics	PLAYING WITH NUMBERS	Abdul pressed 6 calculator and go The buttons that shown below (in button is hidden: Which button dio	buttons on his ot the result as 27. he pressed are order). The first : d Abdul press first?	X 6 – 3			С
	3380			An	swers option			
			Option A	Option B	O	otion C	Ор	tion D
			9 A.	6 B.		5 C.		4 D.

S.N	Folder Number & Question Code	Topic	Questior O	n with Answer Options		Ima (If A	age Any)		Correct Answer (Option- A,B,C,D)
14	1_2 Mathematics 6906	PLAYING WITH NUMBERS	Sleeper Class Indian Railwa numbering ar shown below Each 'cubicle' shown. Ramesh and I tickets and th are 29, 30 an seats?	coaches of the hys have a seat grangement as y. ' seats 8 people as his parents have 3 heir seat numbers d 31. What are their		WINDO 2 3 AISLE (P	Middle Middle Seats ASSAGE) 8 SIDE SEATS	1 2 3 3	В
				Ans	swers o	option			
		Ор	tion A	Option B		Optio	n C		Option D
		One a window, s	iisle, one one middle eat.	One middle, one ai and one side seat	sle (One aisle and seat	d two side s.	Two si w	de seats and one rindow seat.

S.N	Folder Number & Question Code	Topic	Question (n with Answer)ptions	Image (If Any)	Correct Answer (Option- A,B,C,D)
15	1_2 Mathematics 6928	PLAYING WITH NUMBERS	The question following: 10 friends are They have nu 1 to 10 and a circle. Now ev starting from following: He comes for and leaves th After this, aga from the peo circle does th there is only o the group. Thus, first No etc. After No. 6, w people to lea	is based on the e playing a game. mbered themselves re standing in a very third person number 1 does the ward, tells a joke e circle. ain the third person ple remaining in the e same, and so on till one person left in . 3 leaves then No. 6, who will be the next 2 ve?		C
				Answ	vers option	
		Op	tion A	Option B	Option C	Option D
		No. 9 a	nd No. 12	No. 8 and No. 1	No. 9 and No. 2	No. 9 and No. 4

Set 17

Subject: Mathematics

Grade: 8th

S.N 1	Folder Number & Question Code 3_19 Mathematics 2766	Горіс Play witł nun	ring n nbers	Question with The digits 1 to 8 Razaq's 8-digit p the first three di the last 3 digits. number come to two consecutive Which of the fol number?	Answer Options appear once each in whone number. The sum of igits is the same as that of All the even digits in the ogether. The largest total of e digits in the number is 13 lowing is Razaq's phone	Image (If Any)	Correct (Option- A,B,C,D) C	Answer	
			Option	s A	Answer Options Options B	Options C	Options		
							D		
			374268	51	37642851	37462851	37462581		
2	3_19 Mathematics 2763	Playi nun	ng with nbers	Between 1 and 1 there which leav and also when c	100, how many whole nun ve a remainder 1 when div livided by 10?	hbers are ided by 6,		В	
					Answer Options				
			0	otions A	Options B	Options C	Options [)	
				4	3	2	1		

3	5_29 & Playing wi	If m and n are two numbers such that 0 < m < 1 and -	Α
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Ī		1693	nur	mbers	1 < n <	0, then their produ	ct will be					
						Answe	r Options	5				
			Ор	otions A		Options B	0	ptions C		Options D		
			a r	number betw	veen	a number betwee	n a	number betw	ween	a number less		
			0 a	and -1		0 and 1	-1	and -2		than		
										–2		
	4	5_26&	Play	/ing with	Startin	g from 1, what will	be sum o	of the first 25	odd			С
		1702	nun	nbers	natura	l numbers?						
						Answe	r Options	;				
				Options A		Options B	Op	tions C	Options D			
				25		125	625	5	2500			
	5	5_26 &	Pla	aying with	Neeraj	puts a new com	pination I	lock on a		\bigcirc		С
		1703	nur	mbers	cupboa	rd. The lock has 3	rotating	rows with	d	EAD	8	
					the dig	its 0 to 9 on each	row. The	correct 3-				
					digit co	in order to open	ed vertica	ally in the	6			
					later I	Neerai forgets the	code He	e tries all	2 3	8 9 0		
					possibl	e combinations on	by one.	and does		4 5 0		
					not tr	y any combinatio	n twice.	If each	Alignment of	digits for the code	084	
					combir	nation takes one see	cond to tr	ry, what is				
					the M	AXIMUM amount	of time	he might				
					have to	spend before the l	ock opens	s?				
	6	5_29	Play	ying with	After th	nis, Neeraj decides t	o change	the combina	tion on the			В
		Mathematics	nun	nbers	lock su	ch that the sum of t	he three o	digits in the c	ode is 3,			
		1704			his luck	(y number.How mai	hy differer	nt possible co	odes could			
					ne cho	ose from?	A					
				Oution		Orationes	Answer C			Outio	D	
				Uption				Ορτιο				
				1	10	6			4		3	
1				1				1				

7	5_28	Playing	What will be the value of (3 + 2) times (10 -4)		В
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	Mathematics	with	n nbers	divide 2 &	-1					
	10050				Answer C	ptions				
			Opti	ons A	Options B	Optic	ons C	Optio	ns D	
				8	14		15	30		
8	8 5_28 Mathematics 10050		ving with nbers	Altaf picked shown belo numbers wa difference d	Altaf picked up two number cards from the four cards shown below. He found that one of the remaining numbers was the sum, and the other was the difference of the two numbers he had picked				C	
				•	Answer C	ptions	·			
			Opti	ons A	Options B	Optic	ons C	Optio	ns D	
			1 a	nd 2	2 and 5	2 and 3		5 and 3		
9	5_28 Mathematics 10069	Play num	ing with Ibers	Gina has a br 3-digit code u How many di using these fo	ief case which she can loc using any of the digits 1, 2, ifferent 3-digit codes can s our digits?	k using a . 3 and 4. he form			В	
					Answer C	ptions				
			Options A	l l	Options B Option			Options D		
			3 ×	; 4	4 × 4× 4	3 × × 3	3 × 3	3 + 3 + 3		
10	10 5_28 Mathematics 10070		ng pers	A player's TO each turn's so the following rounds of the	TOTAL score is calculated by adding s score to the previous total. Which of ing could be Priyanka's score after 4 the game?				D	
				· · · · · · · · · · · · · · · · · · ·	Answer C	ptions				
			Options A		Options B	Options C		Options D		
			6		88	145		None		

11	5_28 Mathematics 10071	Play with num	ying h nbers	What could k difference be players after	be the MAXIMUM possible etween the total scores of 10 rounds of this game?	e two			В	
	10071				Answer (Options		L.		
			Opti	ons A	Options B	Optio	ons C	Opt	tions D	
				990	980		970		880	
12	5_29 Mathematics 11400	Play	ying with nbers	At any time can be calcu digits at 1:2 4 + 5 = 11. A in the time	, the SUM OF THE DIGITS Jated. For example, the s 5 is 1 + 2 + 5 = 8. At 11:45 At what time will the sum displayed be MAXIMUM?	displayed um of the , it is 1 + 1 + of the digits			D	
					Answer (Options				
			Opti	ons A	Options B	Optio	ons C	Opt	ions D	
				12:00	11:59	1	10:59		09:59	
13	5_29 Mathematics 11401	Play	ying with nbers	At 1:01, 2:2 same FORW 12:00 noon the clock sh backwards a display a ze it, hence 1:0 should not.	2, 3:53, etc. the time read (ARDS as well as BACKWA to 11:59 pm, how many t ow a time reading the sar and forwards? (The clock ro before hours that do no 01 should be counted, wh	s the RDS. From imes will ne does not ot require ile 1:10			C	
					Answer (Options				
			Optio	ons A	Options B	Optio	ons C	Opt	tions D	
				12	24		57		71	

14	5_26 Mathematics	Playi num	ng with bers	-8 - (-4) &di	vided by (-2) is equal to				С	
	1665				Answer O	ptions				
			Op	tions A	Options B	Optio	ns C	Optio	ns D	
				-10	-6	2		6		
15	5_29 & 11798	Play with nun	ving n nbers	What is the quoti 7799 is divided by	ient and remainder when 19?				D	
					Answer O	ptions				
			Op	tions A	Options B	Optio	ns C	Optio	ns D	
			Quotient	t = 41, Remainder	Quotient = 41, Remainder	Quotie	nt = 41.4,	Quotie	nt = 410,	
				= 0	= 9	Remair	nder = 14	Remai	nder = 9	

Subject: Mathematics

Grade: VIII

S. N	Folder name & Question Code	То	pic	Quest Answ	ion with er Options	Image	e (If Any)		Correct Answer (Option- A,B,C,D)
1	2_11 MATHEMATICS 4485	Cor Qu	mparing antities	Look at Glow F being s special How m of crea tube co	this tube of ace cream old under a offer: any grams m does the ontain?		And the second s		D
					An	swer C	Options		
			Option A		Option B		Option C	Opti	ion D
			30		37.5		120	150	
S. N	Folder name & Question Code	То	opic	Quest Answ	ion with er Options	Image	e (If Any)	1	Correct Answer (Option- A,B,C,D)
2	2_11 MATHEMATICS 5310	Cor Qu	mparing antities	Anjana pencils Their a length Which followi POSSIB	has 4 in her box. verage is 10 cm. of the ng is NOT LE?				В
					An	swer ()ptions		
			Option A		Option B		Option C	Opti	ion D
			The shortest in the box is long.	t pencil 2 cm	The longest in the box is long.	pencil s 8 cm	Two of the pencils are 10 cm each.	All th are c lengt	ne pencils of the same ch.

S. N	Folder name & Question Code	T	opic	Quest Answ Option	ion with er ns	Image	e (If Any)		Correct Answer (Option- A,B,C,D)
3	2_11 MATHEMATICS 5326	Cc	omparing uantities	Ayub d from a 6.25 m flat gro After th bounce rises to 40 cm. The hei which t rises af bounce SAME F of the h reached PREVIO BOUNO the frac	rops a ball height of etres to the und below. he third e, the ball a height of ight to the ball ter each e is the FRACTION height d on its DUS CE. What is ction?	<u>6.25m</u>			В
					A	nswer	options		
			Option A		Option B		Option C	Opt	ion D
			1/2		² / ₅		5/8		³⁹ / ₁₂₅
S. N	Folder name & Question Code	T	opic	Quest Answ Option	ion with er ns	Image	e (If Any)		Correct Answer (Option- A,B,C,D)
4	2_11 MATHEMATICS 5321	Cc	omparing uantities	Mr. Kau a fixed money year pe details accoun compor annuall given b Principa interess comput first yea 40000	ul deposits amount of for a 5 eriod. Some of the t (Interest unded ly) are elow: al on which t is ted for the ar : Rs .Interest				С

	earned first ye Interes for the year : F Interes for the Rs 2209 The am (Princip which t for the will be is	for the ar : Rs 2000 t earned second Rs 2100 t earned third year : 5 nount bal) on the interest fourth year calculated			
		Ansv	wer Options		
Option	n A	Option B	Option C	Opt	ion D
2,205		40,000	46,305	46,6	15

S. N	Folder name & Question Code	To	opic	Quest Answ Option	ion with er ns	Image	e (If Any)		Correct Answer (Option- A,B,C,D)
5	2_11 MATHEMATICS 5301	Cc	omparing uantities	Nalini h shares sold wh price w times t which s bought profit f transac	had some which she hen their vas 3.5 he price at she had them. Her rom this ction was				D
						Ansv	ver Options		
			Option	А	Option B		Option C	Op	tion D
			3.5%		350%		25%	250)%
S. N	Folder name & Question Code	To	opic	Quest Answ Option	ion with er ns	Image	e (If Any)		Correct Answer (Option- A,B,C,D)

6	2_11 MATHEMATICS 5308	Cc	omparing uantities	Raj has identic both co filled w mixture mango milk. Tl mango milk in jug is 1 the sec is 1: 3. Raj nov mixture both ju large ja of man milk in contair	two al jugs, ompletely with es of pulp and he ratio of pulp to the first : 4 and in cond one it w pours the es from gs into a ar. The ratio go pulp to this her is:				A
						Ansv	wer Options		
			Option	A	Option B		Option C	Opt	ion D
			9:31		7:12		2:7		1:7
S. N	Folder name & Question Code	T	opic	Quest Answ Optio	ion with er ns	Image	e (If Any)		Correct Answer (Option- A,B,C,D)
7	2_11 MATHEMATICS 4463	Cc Qı	omparing uantities	Sona b at nine its actu under a offer. H discour get?	ought a T.V - tenths of al price a discount low much nt did she				A
						Ansv	wer Options		
			Option	А	Option B		Option C	Opt	ion D
			10	%	9%		1%		0.10%

S. N	Folder name & Question Code	Т	opic	Quest Answ Optio	ion with er ns	Image	e (If Any)		Correct Answer (Option- A,B,C,D)	
8	2_11 MATHEMATICS 4459	Cc	omparing uantities	If %, What is	s is 25				A	
						Ansv	ver Options			
			Option	A	Option B		Option C	Opti	on D	
			37 ¹ ⁄	/2%	50%		66 ³ / ₂ %		75%	
S. N	Folder name & Question Code	T	opic	Quest Answ Optio	ion with er ns	Image	e (If Any)	1	Correct Answer (Option- A,B,C,D)	
9	2_11 MATHEMATICS 4461	Cc Qı	omparing uantities	If 200% 50% of the rela betwee	5 of <i>m</i> = n, what is ation en <i>m</i> and <i>n</i> ?				В	
				I		Ansv	ver Options			
			Option	А	Option B		Option C	Opti	on D	
			<i>m</i> is 150 than <i>n</i>	more	<i>m</i> is one f of <i>n</i>	ourth	m is 150 less than n	<i>m</i> is f	our S n	

S.	Folder	T	opic	Quest	ion with	Image	e (If Any)			Correct
Ν	name &			Answ	er					Answer
	Question			Option	ns					(Option-
	Code									A,B,C,D)
10	2_11 MATHEMATICS 5330	Cc	omparing uantities	Maya a are eac sheet o paper a below. to mak on thes coverin square differen design. Heena times a paint a square sheet t takes to on hers If Maya paintin in 25 m how lon Heena	ind Heena ind Heena ind given a of squared as shown They have e patterns be by ing each unit with a int colour or takes 1 ½ is long to unit on her han Maya o paint one s. a finishes g her sheet inutes, ing does take to ers?	MAYA'S SH	EET	HEENA'S SHEET		A
						Ansv	ver Options			
			Option	А	Option B		Option C		Opti	on D
			24 mir	nutes	37 ½ mir	nutes	16 minut	tes	25	minutes
S. N	Folder name & Question	Т	opic	Quest Answ Option	ion with er ns	Image	e (If Any)			Correct Answer (Option-
11	2_11 MATHEMATICS 4476	Cc	omparing uantities	A pan is filled w mixture juice ar syrup in of 2:3. volume juice is	s half - rith a e of grape nd sugar n the ratio (by e)If grape poured					A,B,C,DJ B

				into the is full, of the mixture juice?	e pan till it what part resulting e is grape					
				l		Ansv	wer Options		1	
			Option	А	Option B		Option C	Opti	ion D	
			1/	2	7/10		4/5		4/7	
S. N	Folder name & Question Code	T	opic	Quest Answ Optio	ion with er ns	Image	e (If Any)		Correct Answer (Option A,B,C,D)	
12	2_11 MATHEMATICS 5309	Ca	omparing uantities	A num increas to get a numbe what p should decrea x?	ber x is ed by 20% another r y. By ercentage y be sed to get				C	
						Ansv	wer Options			
			Option	А	Option B		Option C	Opti	ion D	
			About	22.5%	20%		About 16.7%	It wi on th	ill depend ne value of x.	
S. N	Folder name & Question Code	T	opic	Quest Answ Optio	ion with er ns	Image	e (If Any)		Correct Answer (Option A,B,C,D))
13	2_10 MATHEMATICS 5904	Cc	omparing uantities	For a fi Princip fixed ra annual R%, in the foll cases v Simple (SI) and Compo Interes	xed al P and a ate of interest which of owing vill the Interest d bund t (CI) be				D	

				the san	ne?						
						Ansv	ver Options			<u> </u>	
			Option	А	Option B		Option C		Opti	on D	
			SI for 2 y CI for 2 y (compou annually	ears, rears inded).	SI for 2 year for 1 year (compound semi-annua	rs, Cl ed Illy).	SI for 1 year, C (compounded annually).	Cl for 1 year semi-	SI for for 1 (com annu	1 year, Cl year pounded ally).	
S. N	Folder name & Question Code	Т	opic	Quest Answ Optio	ion with er ns	Image	e (If Any)			Correct Answer (Option A,B,C,D)	-
14	2_11 MATHEMATICS 4473	Ca Q	omparing uantities	What is of $\left(\frac{3}{n}\right)^2$ when r	s the value $-\frac{3}{n^2},$ $n = 2?$					С	
				I		Ansv	ver Options				
			Option	A	Option B		Option C		Opti	on D	
			0		3/4		3,	′ 2		¹⁵ /4	
S. N	Folder name & Question Code	Т	opic	Quest Answ Optio	ion with er ns	Image	e (If Any)		1	Correct Answer (Option A,B,C,D)	-
15	2_11 MATHEMATICS 4471	Ca Q	omparing uantities	Rectan and pa PQRS a as show Which	gle PQXY rallelogram re drawn wn below: fact about	P P	S X	R		В	
				perime	rea and ter is true?	A. B. C. D.	Area Comparison Both Same Both Same PQRS greater PQRS greater	Perimeter Comp Both Same PQRS greater Both Same PQRS greater	arison		

	Ansv	wer Options	
Option A	Option B	Option C	Option D
A	В	C	D