Question Paper

Subject: Mathematics

Grade: 8th

Set 2

S.N	Folder Number & Question Code	Topic	Quest	ion with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
1	1_2 Mathematics	Mensuration	4 and 5 cm sticks of le How many	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	s option	
		Optio	n 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	_	on with Answer Options		nage Any)	Correct Answer (Option- A,B,C,D)
2	1_2 Mathematics 6898	Mensuration	network. It and nodes. from a nod route of th repeating a	below is called a is made up of links The aim is to start le and complete a full e links without any link (though a be repeated.) Is it do this?	Node 3	Link 4	C
					vers option	1	
		Optio		Option B	Optio		Option D
		It is possible starting from any node.		It is possible only if w start from nodes 1 or			s not possible.
						'	

S.N	Folder Number & Question Code	Topic	Question w Answer Options		Image (If Any)		Correct Answer (Option- A,B,C,D)
3	1_2 Mathematics 6899	Mensuration	Sukhia, Babu a Ram are 3 farm each having a small plot of la Two of them have rectangular plot and one has a square plot. So more facts about their plots are: Who has the square plot?	Sukhia Babu Datta Ram ones ones	Perimeter of plot (in metres) 100 120 140	Area of plot (in square metres) 600 900 1200	В
					vers option		
			ukhia	Option B Babu	Option C Ram	Option None o	
					I	<u> </u>	

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	below.		a	В
				Answe	ers option	
		Optio	n 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.
		differ	CIII.	are the same.	dilletellt.	the same.

Mensura		e area of the		
matics	the circle	ortion if the area of	Area of the circle = 56 cr	B n²
		answers option		
	Option A	Option B	Option C	Option D
	12 cm ²	14 cm ²	14. 8 cm ²	18. 5 cm ²
	_2 ematics 008	Option A	Option A Option B	Answers option Option A Option B Option C

S.N	Folder Number & Question Code	Topic	Questi	on with Answer Options		age Any)	Correct Answer (Option- A,B,C,D)
6	1_2 Mathematics 6909	Mensuration	side 'a' cm 'b' cm each square as s	oe the area (in cm²) of	a	b	A
				Answe	rs option		
		Optio		Option B	Option		Option D
		2 ab	- b ²	$a^2 + 2b^2$	a ² - b ³	2	$a^2 + b^2$

S.N	Folder Number & Question Code	Topic	Quest	ion with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
7	7 1_2 Mathematics		stick that o	e length of the longest can be packed in the dimensions shown	30 cm	20 cm
	6910			Answe	rs option	
		Optio	n A	Option B	Option C	Option D
	90 cm		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		etres (cm) = 10 (dm) = 1 metre (m)		
	1_2 Mathematics 6911		(cc is short and is a uni 1 litre is def	x 1 cm = 1 cm ³ = 1 cc for <u>cubic centimetre</u> , t of volume) fined as 1 dm ³ cc is one 1 millilitre?		A
				Answer	s option	
		Optio	n 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	between D at exactly for half the kilometres remaining	n completes the distance een Delhi and Agra travelling actly 40 kilometres per hour If the distance, at 60 etres per hour for the ning half. What is his ge speed for the whole ey?		С
				Answer	s option	
		Optio	n A	Option B	Option C	Option D
		50 kilometre		24 kilometres per hour	48 kilometres per hour	Cannot be calculated.

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Image (If Any)	Correct Answer (Option- A,B,C,D)
10	1_2 Mathematics 6914		shown on three edges of a wooden cube and the corner is cut off along the plane passing		3 cm 5 cm	D
				Answe	rs option	
		Optio	on A	Option B	Option C	Option D
	10		6+√8		15	6+3√ 8

S.N	Folder Number & Question Code	Topic	Question with Answer Options		Image (If Any)	Correct Answer (Option- A,B,C,D)
11	1_2 Mathematics	Mensuration	QP II AB an If the perin	wing figure PR II AC, d RQ II BC. neter of ABC is 24 cm, ter of PQR will be	R Q Q	C
	6919			Answe	ers option	
		Optio	n A	Option B	Option C	Option D
		6 c	m	8 cm	12 cm	16 cm
					,	

S.N	Folder Number & Question Code	Topic	_	on with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
12	1_2 Mathematics 6920	Mensuration	of unit cube squares of s on the fron each unit as The remain	nown here is made up es of side 'a' cm. Black side 'b' cm are painted t and back faces of s shown. ing area of the rt of the solid (in cm ²)	Square of side 'b'	D
		Option		Answe	ers option	
				Option B	Option C	Option D
	8a² - 3		3b ²	6a ² - 3b ²	8a ² - 6b ²	14a ² - 6b ²
					1	1

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	Answers option						
		Optio	n 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 6926	Mensuration	correct wa	he following is NOT a y of finding the area of trame shown below.	47.8 cm 52.2 cm	C			
		Answers option							
		Option 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	~	on with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
15		Mensuration	the triangles correct. Whi	ements of ONLY ONE of shown below can be ch one is it? the figures are NOT		С
	2_10 Mathematics 5848	Option A 60° 60°		Option B	Option C	Option D 100° 35°
			A.	В	4.5 cm C	D