

- 4 Points Questions -

11.	Within the squ The perimeter (A) 16 cm	are ABCD there of each rectangl (B) 20 cm	are four identica e is 16 cm. Wha (C) 24 cm	al rectangles (see t is the perimete (D) 28 cm	e diagram). er of this square? (E) 32 cm	D C			
12.	Petra has 49 bl away so that 9 (A) 4	ue and one red 0 % of the pearls (B) 10	pearl. How many are blue? (C) 29	y of the blue pea (D) 39	arls does Petra have to take (E) 40				
13.	Which of the formula $(A) \frac{25}{79}$	ollowing fraction (B) $rac{27}{59}$	is is closest to $\frac{1}{2}$ (C) $\frac{29}{57}$? (D) 52 79	(E) $\frac{57}{92}$				
14.	gor writes down all results of the quarter finals, the semi finals and the final of a tennis tournament. The results are listed in random order.								
	Bert beats Ante Carl beats Bert	on, ,	Carl beats Dam Edon beats Fre	iien, d,	Glen beats Henry, Glen beats Edon.	Glen beats Carl,			
	Who is playing (A) Glen and H	the final? enry (B) Glen	and Carl (C) Carl and Bert	(D) Glen and Edon	(E) Carl and Damien			
15.	Anne has glued around to chec	Anne has glued together some cubes and has obtained the solid shown on the right. She turns it around to check it out from different sides. Which view can she not obtain?							
		(B)		(C)	(D)	(E)			
16.	Tim, Tom and J birthdays toda (A) 92	im are triplets. 1 y. Which of the f (B) 89	Their twin brothe following numbe (C) 76	ers John and Jan ers could be the (D) 53	nes are 3 years younger. All sum of the ages of the five (E) 36	five are having their brothers?			
17.	A 3 cm wide st other. The fold with length 27 the strip of pap (A) 36 cm	rip of paper is da ed strip of paper cm and width 9 per? (B) 48 cm	ark on one side a r lies exactly with cm (see diagran (C) 54 cm	(E) 81 cm					
18.	The two kangaroos Jump and Hop both jump at the same time from the same starting line in the same direction. 3oth of them jump exactly once per second. Jump always jumps 6 m . Hop first jumps 1 m, then 2 m, then 3 m etc. After how many jumps does Hop catch up with Jump?								
10	(A) 10	(B) 11	(C) 12	(D) 13	(E) 14	to form			
19.	the solid show points can be s (A) 24	n. Faces that are seen on the surfa (B) 90	glued together ce of the solid? (C) 95	each have the s	(E) 126	w many			
20.	There are 20 gi a table with a g	irls and boys in t girl and half the p	otal in a class. A girls share a desl	lways two stude k with a boy.	nts share a desk so that on	e third of the boys share			

How many boys are in this class?

(A) 9 (B) 12 (C) 15 (D) 16 (E) 18

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21.	In a square wit all grey parts is How long are t (A) 4	h area 36 there 27. he distances a, l (B) 6	are grey parts a o, c and d togeth (C) 8	s shown in the d ner? (D) 9	liagram. The sum of the areas o (E) 10	of a b c
22.	Theos watch run Leos watch run Both check the (A) 11:30	uns 10 minutes s ns 5 minutes fast ir own watch at (B) 11:45	slow but he thin t but he thinks it the same time. (C) 12:00	ks it runs 5 minu runs 10 minute Theo thinks it is (D) 12:30	utes fast. s slow. s 12:00 o'clock. What time does (E) 12:45	d s Leo think it is?
23.	Twelve girls me and two ate no (A) 2	et up in a pastry othing. How mar (B) 5	shop. On averag ny girls ate two r (C) 6	ge they ate 1.5 r nuffins? (D) 7	nuffins. None of them ate more (E) 8	e than two muffins
24.	Little Red Ridin she reaches the When she leav amound of wat The original an (A) 4	ng Hood is taking e houses of eacl es the house of ffles. nount of waffles (B) 5	g waffles to thre n grandmother, the third grandr can definitely b (C) 6	e grandmothers the wolf each tir nother, the bask e divided by wh (D) 7	. Initially her basket is complete me eats half of the waffles that ket is empty. Each grandmother ich of the following numbers? (E) 9	ely full. Just before are in the basket. gets the same
25.	A big cube is m Two cubes are On day one the On day two all How many of t (A) 11	nade up of 64 sm neighbours if th grey cube colo grey cubes agai he 64 little cube (B) 13	nall cubes. Exact ley share a comr urs all its neight n colour all their es are grey at the (C) 15	ly one of these of mon face. pouring cubes gr r neighbouring c e end of the seco (D) 16	cubes is grey (see diagram). ey. ubes grey. ond day? (E) 17	
26.	Natural numbe is 16, the produ (A) 38	ers are written o uct of the two b (B) 42	n a board, of wh iggest is 225. W (C) 44	nich no two are t hat is the sum o (D) 58	the same. The product of the tw f all numbers written on the bc (E) 243	wo smallest numbers pard?
27.	The diagram sh centres A, B, C, ends of that sid Which point is (A) A	nows a pentagor , D and E. On ea de touch each o the centre of th (B) B	n and indicates t ch side of the pe ther. e biggest circle? (C) C	he length of eac entagon the two (D) D	th side. Five circles are drawn w circles that are drawn around (E) E	with 13 17 C 14 14 14 14 16 14 14 16 14 14 14 16 14 14 16 14 14 16 16 14 16 16 16 16 16 16 16 16
28.	Susi writes a di the numbers, v every remainin underneath. W (A) 112	ifferent positive which she writes og cube is equal /hat is the bigge (B) 110	whole number of on the nine cub to the sum of th st number that of (C) 50	on each of the 1 bes that lie on th le numbers of th can be written o (D) 120	4 cubes of the pyramid (see dia ne bottom, is 50. The number o ne four cubes that are directly on the topmost cube? (E) 118	agram). The sum of n
29.	In every one of <i>neighbouring</i> if exactly 5 or exa (A) 13	f the five carriag f they are either actly 10 neighbo (B) 15	es of a train the in the same car purs. How many (C) 17	re is at least one riage or in two s passengers are ((D) 20	e passenger. Two passengers ar successive carriages. Each passe on the train? (E) This situation is not possib	e said to be enger has either got ble.
30.	A cube of side the diagram fiv	length 3 consist ve of the six face	s of 15 black and s of the big cub	d 12 white unit o e can be seen.	cubes. In	
	(A)	egions shown be (B)	elow is the 6th fa	(D)	(E)	

- 5 Points Questions -