D-4	Brihan M	Mumbai Ganit Ad	dhyapak N	Mandal, Muml	oai 		
Date: 28-7-2018 Std.: VIII Maths Concept E		t Exam 2018		Time: 3 p.m. to 5 p.m. Max. Marks: 100			
	Instructions :	of the question paper 3) Do not fold the answ 4) Colour the correct all For Example: How many	done in the spacer.  versheet.  Iternative with the days does the role of the spacer.  so B should be contact.	ne ball-pen as follows.	?		
1)	Average of 20, 13, x , 15, 20, 16, 16 is 16. Find x						
	A) 16	B) 12	C) 15	D) 13	(4)		
2)	Pallavi kept Rs. 50,000 in a bank for 2 years with simple interest. After 2 years she got Rs. 60,000. What was the rate of interest?						
	A) 5%	B) $8\frac{1}{3}\%$	C) 12%	D) 10%	٨		
3)	How many ed	dges does a triangular pyra	mid has ?				
	A) 6	B) 9	C) 3	D) 12			
4)	20% of $\frac{7}{10}$	=	3				
	A) 0.014	B) 14	C) 1.4	D) 0.14	*		
5)	Solve. 13 +	3 - {(-12) + (-2) + 5 [8-(-4)	]}		*		
	A) 58	B) -62	C) 30	D) -30	*		
6)		(x + 7) (x - 5) =	C) $x^2 - 2x - 1$	35 D) x <sup>2</sup> - 2x +	+ 35		

Rough work

7)	The lengths of three State the group in w  A) 9cm, 8cm, 4cm  C) 17cm, 7cm, 7cm	hich a triangle can no	given in each of the fo t be constructed. B) 7cm, 24cm, 25cm D) 6cm, 7cm, 8cm	llowing group.	
8) Subtract the second polynomial from the first polynomial. $2x + 3x^2 - 24$ ; $x^2 - 17 + 3x$					
	A) $x^2 - x - 7$	B) $2x^2 - x - 7$	C) $2x^2 + x-7$	D) $4x^2 - x + 7$	
9)		afternoon can be shown in 24 hr. clock as			
	A) 17:45	B) 17:15		D) 16:45	
10) Length of a rectangle is 9cm. and breadth is 7 cm. Find the length of the side of a square which has same perimeter as the perimeter of the rectangle.					
,	A) 16 cm.	B) 32 cm.	C) 4 cm.	D) 8 cm.	
11) (	Circumference of a c	ircle is 6.6 cm. find t	he length of its diame	eter.	
A	A) 13.2 cm	B) 2.1cm	C) 0.21cm	D) 4.2 cm	
12) S	Subtract				
(19 Kg., 9 Hectogram, 35 gram) - (13Kg., 13 Hectogram, 130 gram) = gram					
	) 555	B) 5505	C) 5550	D) 5555	
13) C	13) Cost of 1 dozen of pens is Rs. 204 What will be the cost of 34 such pens?				
	) Rs. 758	B) Rs. 875	C) Rs. 578	D) Rs. 785	
14) If 256 x 81 = 20736 then $\sqrt{\frac{207.36}{256}}$ = ?					
A)	0.81	B) 0.9	C) 8.1	D) 9	
15) The measure of the reflex angle is $x^0$ . Which of the following is true?					
A)	$0^0 < x^0 < 90^0$	B) $90^{0} < x^{0} < 180^{0}$	C) 180 <sup>0</sup> < x <sup>0</sup> < 36	$50^0$ D) $0^0 < x^0 < 45^0$	
		I	Rough work		

16)	5) Difference between the ages of Anand and his elder sister is 8 years What will be the sum of their ages after 3 years? (Take sister's age as x years)					
	A) $2x + 14$	B) $2x + 2$	C) 2x - 5	D) 2x - 2		
17)	Joseph sold his T.V. o	f Rs. 42,700 for Rs. 39	9,711. What is the perc	entage of loss ?		
	A) 7%	B) 6%	C) 7.5%	D) 8%		
18)	Kiran scored 90 marks in his science test which is $\frac{5}{6}$ of the total marks. What are the total marks for the test?			marks.		
	A) 96	B) 75	C) 104	D) 108		
19)	Solve $2\frac{1}{3} - 4\frac{2}{5}$	- 3 <del>1</del> 5				
	A) 79/15	B) $\frac{17}{15}$	C) $\frac{-79}{15}$	D) $\frac{-17}{15}$		
20)	$3 \times 10^4 + 5 \times 10^2$	$+ 4 \times 10^{0} + 2$	x 10 <sup>3</sup> =			
	A) 32054	B) 32405	C) 23504	D) 32504		
21)	How many pairs of twin prime numbers are there between 1 to 50?					
	A) 6	B) 5	C) 4	D) 7		
22)	If the side of cube i	s 1.1 m. then its ve	olume will be	_		
	A) 1331 cum.	B) 13.31 cum.	C) 133.1 cum.	D) 1.331 cum.		
23)	G.C.D. of two numl	pers is 30 and their	r L.C.M. is 6 times the	eir G.C.D.		
	If one of the numbers is 60 find the other number.					
	A) 180	B) 30	C) 90	D) 3		
24)	If a piece of length 0.09 m. is cut from a rope of length 9.99 m.					
	What will be the length of the remaining rope?					
to.	A) 9.099 m.	B) 9.09 m.	C) 9.9 m.	D) 9 m.		
				E		

Rough work

- 25) Mahipal exchanged his 110 coins of 50 paise and 50 coins of 2 rupees against the coins of 5 rupees. How many 5 rupee coins will he get?
  - A) 50
- B) 55
- C) 31

D) 41

- 26)  $(5^0 \times 3) \times m^0 =$ 
  - A) 15m
- B) m
- C) 1

- D) 3
- 27) Find the ratio of 1st quantity with the 2nd quantity.

1 litre and 250 mililitre, 750 mililitre

- A) 3:5
- B) 5:3
- C) 5:4
- D) 3:4

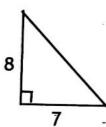
- 28) 0.4 x 0.04 x 0.0004 = \_\_\_\_
  - A) 0.64
- B) 0.064
- C) 0.00064
- D) 0.0000064

- $29) \quad \frac{121^2 1}{11^2 1} = ?$ 
  - A) 10

- B) 122
- C) 12

D) 111

30)



- Observe the figure and find the value of x?
- A) √113
- B) √15
- C) √56
- D) √103
- 31) (2x + 8) and (x 2) are the angles in the linear pair. Find x.
  - A) 58

B) 56

C) 124

D) 28

- 32)  $(4x^2y) \times (7xy) \div 56x^2y^2 =$ \_\_\_\_\_
  - A)  $\frac{2}{x}$

B)  $\frac{x}{2}$ 

C)  $\frac{2}{x^2}$ 

D)  $\frac{2x^2}{y}$ 

Rough work

38)	38) The length of a rectanle is 3 times its breadth. area of the rectangle is 108 sq. m. Find the length of the rectangle.						
	A) 6m	B) 12m	C) 18m	D) 36m			
201	Expand. (3p - 4q)		C) 9p <sup>2</sup> - 12pg +	16o <sup>2</sup> D) 0, <sup>2</sup> 24	c _2		
	A) 9p <sup>2</sup> - 16q <sup>2</sup>	b) bp + log	A) $9p^2 - 16q^2$ B) $9p^2 + 16q^2$ C) $9p^2 - 12pq + 16q^2$ D) $9p^2 - 24pq + 16q^2$ Amit completes the book within 15 days by reading 12 pages per day. If he starts reading 10 pages per day, how many days does he require to complete the book?				
	Amit completes the pages per day, ho	ne book within 15 da ow many days does h	ys by reading 12 pag ne require to complet	es per day. If he starts reading	oq- 3 10		
	Amit completes th	ne book within 15 da	ys by reading 12 pag ne require to complet	es per day. If he starts reading	oq - 3 10		
40)	Amit completes the pages per day, how A) 12	ne book within 15 da ow many days does h B) 10	ys by reading 12 pag ne require to complet	es per day. If he starts reading e the book ?  D) 8	oq 3 10		

42) A cuboid has length	n 0.6 m., breadth 0.4m. a	nd volume 0.072 cu. m	Find	the height of the cuboid		
A) 0.3 m	B) 3 m.	C) 0.03 m.	D)	3.3 m.		
43) If $a + b = 4$ , $ab = 1$	then $a^2 + b^2 = ?$		_			
A) 16	B) 17	C) 15	D)	14		
44)		of side 4cm. nid points of the sides the shaded portion is				
A) 6 sq.cm.	B) 4 sq.cm.	C) 10 sq.cm.	D)	16 sq.cm.		
45) 1623 A is completel A) 5	y divisible by the num B) 3	bers 2, 3 and 5. Then <i>i</i>	A = . D)	-		
46) Measure of the sem	(5)	<b>C</b> ) <b>O</b>	-,			
A) 180 <sup>0</sup>	B) 90 <sup>0</sup>	C) 360 <sup>0</sup>	D)	270 <sup>0</sup>		
47) Which of the following number is a square as well as triangular number?						
A) 16	B) 25	C) 36		49		
48) How much should be	e added to $\frac{5}{13}$ to get	<del>7</del> <del>13</del> ?				
A) $\frac{2}{13}$	B) $\frac{-2}{13}$	C) 12/13	D)	<u>12</u> 26		
19) In the given figure, Which of the following is the pair of opposite rays?						
O A B	C A)	ray OA, ray AO ray AB, ray BC		B) ray BA, ray BC D) ray CA, ray AC		
0) Factors of $4x^2 - 25y^2$ are						
A) $(4x + 5y) (4x - 5y)$	B) (2x - 5y) (2x - 5	y) C) (2x + 5y) (2x	- 5y)	D) $(2x - 5y^2)(2x + 5y^2)$		

Rough work

49)

50)