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	\$		1 st term T	est - 2016	
Ĵ	WWAYA PARISUJJIWAN	Grade 07	Math	ematics	time : 2 hours
ľ	Name / index :				
			Pa	rt A	АЦ. ЦА
) In sq ax	the given dia uare into two kes of symmetr	agram the line equal triangle y in one triangl	BD divides the s. Write the num e so obtained.	ABCD nber of	B
) W	Vrite all triangu	lar numbers be	tween 25 and 40.		
) T	he price of one	e book is Rs. 30	. How many bool	ks c'an be bought fo	or Rs. 180.
	*. *				
	7.6				
) B	y simplifying	find the value	$42 \div 7 + (21 - 17)$)	
	а 121 Ф.	1		°. ∗ ∗	
i) C (i	Consider the nu) Explain w	mber 8793 hy it is divisibl	e by 9.	*	
(i	ii) Explain w	vhy it is not divi	sible by 6.		
3) V	Write down all	multiples of 32	between 50 and	100.	
	1) Stra of man	is used out of	10kg Find the m	ass of sugar left.	
() /			Tong, Time are an		Y III
8) I	Find the value	of $2^3 \times 5^2$			
			10		
9), I		sent 20, find the]	e value represente	ed by,	

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1) A trunk of a coconut tree is cut and is divided into two equal parts as shown in the diagram.

- (i) How many flat surfaces are there?
- (ii) How many straight edges are there?

12) Express 81 25 ml of a liquid volume in milliliters.

13) The perimetre of a rectangle is 58cm. If the length of a side is 18cm find the breadth of one side.

14) The length of three wires are 2m 12 cm, 2.05m and 2.1m. Write down these lengths in ascending order.

(5) $\frac{1}{9} + \frac{1}{9} + \frac{1}{9}$ simplify and keep the answer in the simplest form.

16) 40083005097 write the number in the standard form and write down the number belongs to the million zone.

17) In a 12.05m deep well, water is filled upto 3.57m. Find the height of the rest part which hasn't water.

18) Find tall the factors of 54.

(9) Write all the integers between -3 and 2.

20) Find the values for empty cages.



 Answer all questions. (i) (a) In the given angle. (i) Write down arms (ii) Write the vertex. (iii) Name the angle in two ways
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(iii) Name the angle in two ways
 (b) (i) Draw straight line segment and name it AB. (ii) Draw the arm AC such that BÂC = 225⁰
(c) Measure and write the magnitude of the following angles.
c Cy X
A Z
(2) (a) Find the following sums using the number line.
(i) $(-6^{\frac{1}{2}}) + (+11)$ (ii) $(-3^{\frac{1}{2}}) + (-5^{\frac{1}{2}})$
$(1) \left(-\frac{1}{2}\right) + (+11)$ $(1) \left(-\frac{1}{2}\right) + (-\frac{1}{2})$
(b) Simplify without the number line.
(i) $(-9) + (+11) + (-6)$
(ii) $\left(+\frac{3}{8}\right) + \left(-\frac{5}{8}\right) + \left(+\frac{7}{8}\right)$
(iii) $(-11.7) + (+3.65) + (+4.92)$
 (ii) To which century does that year belong? (iii) To which millennium does that year belong? (b) One project has to be completed within 200 days. Write that in months and days. (c) (i) year month day (ii) month day hours
11 09 27 11 03 11
+ 5 06 18 - 7 25 17
 4) (a) (i) Write the power with base 2 and the index 7. (ii) Write 64 as a power of 4. (iii) Write 108 as a product of prime factors.
 (b) 2 × 2 × 2 × a × a × b × b × b (i) Write down the above product using index notation.
(ii) Find the value of above answer when $a = 3$ and $b = 5$.

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(5) (i)

(6)

Find all factors of 42 by expressing it as a product of two whole numbers.

(ii) Write down all prime factors of 42.

- (iii) Find the HCF of 28 and 42.
- (iv) Find the LCM of 28 and 42.

(i) Draw a straight line segment and mark points A and B such that AB = 5 cm.

- (ii) Draw a perpendicular line to AB through the point A using the set square and the straight edge.
- (iii) Mark the point D on that line such that AD = 8 cm
- (iv) Draw a parallel line to AB trough D using the set square and the straight edge
- (v) Complete the ABCD quadrilateral such that AB = CD.
- (vi) Write the special name for that quadrilateral.
- (vii) Join A and C. Using set square and the straight edge draw a parallel line to AC through D and name it as XY.