



Class-9



F. M. 15

## **TOPIC** -Revision

**Subject : Mathematics** 

WORKSHEET NO7	Second Term	Date: 28.11.2020	
Q.1) Choose the correct op	otion :		(1 x 15 = 15)
1)If $4^x = 8^4$ , then x i	s equal to		
a) 4	b) 3	c) 6	d) 12
	or of the polynomial kx²- 5x	– 3, then the value of I	
a) 1/2	b) 1/3	c) 2	d) - 2
3) If the cost price if	f 10 pens is equal to the sell	ing price of 8 pens, the	en percentage of profit or loss
is			
a) 25% profi	t b) 20% loss	c) 20% profit	d) 25% loss
4) If a + b + c = 0, th	en the value of $\frac{a^2}{bc} + \frac{b^2}{ca} + \frac{a^2}{ca}$	<sup>2</sup> / <sub>-</sub> is	
a) 1	b) abc	c) 2	d) 3
•	spectively the midpoints of	•	•
intersects AD at the point (			5 5 5 5 <b>5</b> 5
a) 4 cm	b) 3 cm	c)2 cm	d) 1.5 cm
6) If for the polynor	nial $f(x)$ , $f(-\frac{\pi}{2}) = 0$ , then on	•	,
a) 2x - 1			d) x + 1
7) The area of the ti	rapezium is 132 sq. cms. Th	e length of one paralle	el side of it is 23 cm and its
height is 6 cm. The length of	-	-	
a) 27 cm	b) 31 cm	c)21 cm	d) 20 cm
8) The length of the	diameter of a circle is equa	al to the length of the s	side of a square. The ratio of
their perimeters is			
a) π : 2	b) π : 4	c) 2π: 3	d)π : 1
9) If $2^x = 3^y = 6^{-z}$ , th	en the value of xy + yz + zx	is	
a) 1	b) 2	c) 3	d) 0
10) The coordinates	s of centroid of a triangle ha	ving vertices ( a- b, b -	- c ), ( - a,  - b ) and ( b, c ) are
a) (a , 0 )	b) ( o, b )	c) ( a, c )	d) ( 0, 0 )
11) If $\log_{10} x - \log_{10} x$	$\sqrt{x}$ = 1, then the value of x is	5	
a) 10	b) 100	c) 1/10	d) $\sqrt{10}$
12) Which among th	ne numbers $4^{30}$ , $3^{40}$ , $2^{50}$ and	d 10 <sup>20</sup> is least?	
a) 10 <sup>20</sup>	b) 4 <sup>30</sup>	c) 3 <sup>40</sup>	d) 2 <sup>50</sup>
13) If the polynomia	al $x^3 + px^2 - 12 x + 8$ is divisi	ble by ( x + 2 ) , then th	ne value of p is
a) - 6	b) 8	c) 6	d) - 8
14) There is a rectar	ngular area 6 m long and 4 i	m broad. For paving it	with tiles 2 dcm square, how
many tiles will be required?	?		
a) 1200	b) 2400	c) 600	d) 1800
15) The three points	s (2 , 0 ), ( 0, 3 )and ( t, t ) w	ill be collinear when t	is equal to
a) 3	b) - 3	c) - 2	d) none of these