

INDIAN SCHOOL AL WADI AL KABIR

Post Mid-Term Revision Paper (2023-24)

Class: VII

Sub: MATHEMATICS

Instructions:

Section A: Multiple Choice Questions (Q.1 to Q.6)

Section B: Source based questions (Q.7 to Q.11)

Section C: Long Answer Questions (Q.12 to Q.15)

Section D: Case study Questions (Q.16 to Q.17).

Section A: Multiple Choice Question (Q.1 to Q.6) of 1 mark each									
1.	In a opp	In a triangle, if two interior angles are 63° and 85° , then the measure of exterior angle opposite to it is:							
	Α	148°	В	22°	С	95°	D	117°	
2.	What will the value of ` x' if the given rational numbers are equal? $\frac{36}{x} = \frac{-6}{7}$								
	A	42	В	49	С	-42	D	6	
3.	Fin	Find the sum $\frac{-3}{7} + \frac{-4}{7} + \frac{15}{7}$							
	A	$\frac{22}{7}$	в	$\frac{8}{7}$	с	$\frac{-8}{7}$	D	$\frac{-22}{7}$	
4.	Find the value of y in the given figure.								
	A	50°	В	85°	С	100°	D	65°	
5.	The	The sum of an exterior angle of a triangle and its adjacent angle is always equal to:							
	A	90°	В	180°	С	360°	D	270°	

6.	Find the additive inverse of $\frac{8}{-13}$								
	A	$\frac{-8}{13}$	В	$\frac{13}{8}$	С	$\frac{8}{13}$	D	$\frac{-13}{8}$	
	Section B: Source based questions (Q.7 to Q.11) of 1 mark each								
	In	In an equilateral triangle ABC, the length of AC = 10 cm \bigwedge^{A}							
	and altitude AD = 6 cm. P is a point on AB. P B D C								
7.	If the length of BP = $x - 1$ and the length of PA = $x + 3$, find the length of BP?								
	A	1cm	В	4cm	С	6cm	D	3cm	
8.	What is the length of the median on BC from vertex A?								
	A	4cm	В	6cm	С	10cm	D	12cm	
9.	In the right-angled triangle ADC, which of the following will be true?								
	A	$AC^2 = AD^2 - CD^2$	В	$AD^2 = AC^2 - CD^2$	С	$CD^2 = AC^2 + AD^2$	D	$AD^2 = AC^2 + CD^2$	
10	The lengths of two sides of a triangle are 7cm and 9cm. Between which two numbers can the length of the third side fall?								
	A	5, 10	В	2, 17	С	5, 16	D	2, 16	
11.	Which of the following will be the angles of a triangle?								
	A	30°, 55°, 90°	В	35°, 45°, 90°	С	26°, 58°, 96°	D	55°, 60°, 25°	
Section C: Long Answer Questions (Q12 to Q.15)									
12. Find the product of $\frac{-28}{81}$ and $\frac{27}{-14}$. (2 Marks)									



ANSWERS

1.	A. 148°	2.	C. –42	3.	B. $\frac{8}{7}$	4.	D. 65°
5.	B. 180°	6.	C. $\frac{8}{13}$	7.	D. 3cm	8.	B. 6cm
9.	B. $AD^2 =$ $AC^2 - CD^2$	10.	D. 2, 16	11.	C. 26°, 58°, 96°	12.	$\frac{2}{3}$
13.	$NO = YZ$ $\angle NOM =$ $\angle YZX$ $OM = ZX$ $\Delta NOM \cong$ ΔYZX	15.	$\frac{\frac{281}{350'}}{\frac{282}{350},\frac{283}{350},\frac{284}{350}}$	16.	a) RHS b) 41° c) 5cm d) ∠DEF	17.	I)17m II)32m III)c ² =a ² +b ²