REVISION - WORKSHEET

1. Decimal representation of a rational no. cannot be ?

Ans - (d) Non-terminating, non-repeating

2. The difference of a rational no. and an irrational no. is

Ans - (d) always an irrational no.

3. The number obtaind & on rationalizing the denominator of $\frac{1}{\sqrt{7}-2}$ is

Ans - (b) $\frac{\sqrt{7}-2}{3}$

4. The value of $0.1\overline{34}$ is

Ans - (c) $\frac{133}{990}$

5. The value $0.6 + 0.\overline{7} + 0.4\overline{7}$ in the form of p/q

Ans - (a) $\frac{167}{90}$

6. In the given figure, the value of x is

Ans (a) 80°

7. If the - - - - - - - - - - - - - - - greater two angles is

Ans - (b) 108°

8. In the given figure, if AB || CD, then the value of x is

Ans - (b) 30°

9 Angle of a triangle are in a ratio of 2:4:3. The smallest angl is

Ans - (b) 40°

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10. One angle of a triangle is 65°. The remaining two angles, if their difference is 25° are

Ans - (a) 70°, 45°

11. An exterior angle of a triangle is 108° and its interior opposite angles are in ratio 4:5. The angles are

Ans - (a) 48°, 60°, 72°

12. In a ΔABC ---------- the value of $\angle BPC + \angle BQC$ is

Ans - (b) 180°

13. In $\Delta ABC \cong \Delta PQR$ and ΔABC is not congruent to ΔRPQ, which is not true?

Ans (a) $BC = PQ$

14. In triangles ABC and PQR, $AB = QP$, $\angle B = \angle P$ and $BC = QR$. The two triangles are congruent by

Ans (b) ASA

15. In ΔABC and ΔPQR, $AB = QP$, $\angle B = \angle P$ and $BC = QR$. The congruency used will be

Ans - (a) SAS.

16. In ΔABC, the altitude AD, BE and CF are equal. Then ΔABC is

Ans - (d) An equilateral triangle.

17 If ΔABC is an isoceles triangle, which is not true.

Ans - (d) All three altitudes are equal.

18. In ΔABC, $BC = AB$ and $\angle B = 80°$. Then $\angle A$ is equal to

Ans - (c) 50°.

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19. Ordinate of all points on x axis
Ans- (a) 0

20. The points in which absicca and ordinate have differed signs will lie
Ans- (d) II and IV quadrants

21 Point (-3,5) lies in
Ans- (b) Second quadrant.

22. Point (-10,0) lies in.
Ans- Negative direction of x-axis.

23. The point whose ordinate is 4 and which lies on y-axis is
Ans- (b) (0, 4)

24. If the perpendiculars ——————— then the point P has
Ans- y coordinate = 5 or -5.

25. If two sides of a right angle triangle are 5 and 12cm, then the third side is
Ans- (b) 13 cm.

26. An isocales right triangle has area $8cm^2$ The length of its hypotenuse is
Ans- (a) $\sqrt{32}$ cm.

27. The adjacent sides of ——————— ratio of corresponding altitudes is
Ans- (c) 3:4.

28. The sides of a triangle ——————— area of triangle is
Ans- $1344 cm^2$

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29. The edges of a triangular boadrd ---- ---- 9 paise / cm^2 is

Ans- (b) Rs. 2.16

30. The sides of triangle ---- ---- length of longest altitude is

Ans- (c) $24\sqrt{5}$.

31. A linear equation in two variable is of the form $ax+by+c=0$, where

Ans- (a) $a \neq 0$, $b \neq 0$.

32. The linear equation $2x-5y=7$ has.

Ans- (c) infinitely many solutions.

33 The equation $2x+5y=7$ has a unique solution if x, y are

Ans- (b) positive real numbers.

34 If (2,0) is a solution of linear equation $2x+3y=k$, then k is.

Ans - (a) 4.

35 The graph of linear equation $2x+3y=6$, cuts y-axis at

Ans- (d) (0, 2)

36 The equation of x-axis is of form.

Ans- (b) $y=0$.

37 In class intervals 10-20, 20-30, the no. 20 is located in

Ans- (b) 20-30.

38 Given the class intervals 1-10, 11-20, 21-30, 20 is considered in the class.

Ans - (a) 11-20.

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39. The class mark of a particular class is ... corresponding class is
Ans- (c) 5-8

40. A person asked ——— the data collected is known as
Ans- (a) Primary data.

CASE STUDY

41. If the cost of notebook is ₹x and that of pen is ₹y, ——— statement is
Ans (ii) $x - 3y = 0$.

42. One solution of equation $2x - 3y = 5$ is
Ans- (i) (4, 1)

43. If the cost of 1 notebook is ₹15, then cost of 1 pen is
Ans- Question is seems to be misprinted and incomplete.

44. The linear equation $y = 2x + 3$ has
Ans- (iv) Infinitely many solutions.

45. If $x = -1$ and $y = 3$ is a solution of the equation $4x + 2y - k = 0$, the value of k is
Ans (iii) 2.

46 Class size of 3rd class interval is ⇒ Ans = 9.

47 Upper limit of 5th class interval is ⇒ Ans = 179.5.

48 Class mark of 6th class interval is ⇒ Ans = 185.5.

49 How many students have their height more than 160cm ⇒ (d) 128

50. How many students have their height less than or equal to 180 cm.
Ans ⇒ (d) 31

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