

**CBSE Board  
Class VII  
Mathematics - Term II  
Sample Paper – 2**

Q1. Which of the following statement is true?

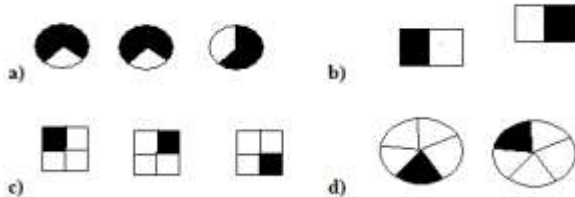
- (a)  $7 - 4 = 4 - 7$
- (b)  $7 - 4 > 4 - 7$
- (c)  $7 - 4 < 4 - 7$
- (d)  $7 - 4 = -3$

Q2. Identify the property used in the following:

$$2 \times 13 + 8 \times 13 = (2+8) \times 13$$

- (a) Commutative
- (b) Closure
- (c) Associative
- (d) Distributive

Q3. Which of the following drawing shows?  $2 \times \frac{1}{5}$



Q4. What is the value of  $29.35 - 04.56$ ?

- (a) 23.75
- (b) 16.35
- (c) 16.25
- (d) 24.79

Q5. Mode and median of the data 13, 16, 12, 14, 19, 12, 14, 13, 14 are:

- (a) 13 & 14
- (b) 14 & 13
- (c) 14 & 14
- (d) 19 & 13

- Q6. There are 6 marbles in a box with number 1 to 6 marked on each of them. What is the probability of drawing a marble with number 2?
- (a)  $\frac{1}{6}$
  - (b)  $\frac{1}{5}$
  - (c)  $\frac{1}{3}$
  - (d) 1

- Q7. In fig. the area of larger rectangle is  $1750 \text{ m}^2$  and the area of smaller rectangle is  $1350 \text{ m}^2$



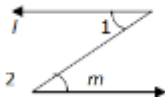
- (a)  $3100 \text{ m}^2$
  - (b)  $400 \text{ m}^2$
  - (c)  $750 \text{ m}^2$
  - (d)  $350 \text{ m}^2$
- Q8. In fig., the area of rectangular sheet is  $50 \text{ cm}^2$  and the area of circle inside the sheet is  $15 \text{ cm}^2$  cut from the sheet, then the area of remaining sheet will be



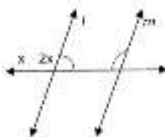
- (a)  $35 \text{ cm}^2$
  - (b)  $65 \text{ cm}^2$
  - (c) 35 cm
  - (d) 65 cm
- Q9. Write an expression: Raju's father's age is 5 years more than 3 times Raju's age. If Raju's age is  $x$  years, then father's age is
- (a)  $3x+5$
  - (b)  $5-3x$
  - (c)  $3x-5$
  - (d)  $15x$
- Q10. Which of the following is trinomial?
- (a)  $2a+6b-1$
  - (b) 1
  - (c)  $5a-7$
  - (d)  $a+b+c-3$

- Q11. The value of expression  $2a^2+2b^2-ab$  for  $a=2, b=1$  is  
(a) 2  
(b) 8  
(c) 6  
(d) 10
- Q12. The value of expression  $2a^2+2b^2-ab$  for  $a=2, b=1$  is  
(a) -1  
(b) -5  
(c) 5  
(d) 0
- Q13. A line that intersects two or more lines at distinct points is called  
(a) Parallel  
(b) transversal  
(c) intersecting  
(d) none of these
- Q14. Two angles forming a linear pair are \_\_\_\_\_.  
(a) Equal  
(b) Supplementary  
(c) Unequal  
(d) Complementary

- Q15. If  $l \parallel m$ , then  $\angle 1 = \angle 2$  because they are \_\_\_\_\_,



- (a) corresponding angles  
(b) vertically opposite angles  
(c) alternate interior angles  
(d) supplementary angles
- Q16. Find  $x$  if  $l \parallel m$



- (a)  $30^\circ$   
(b)  $60^\circ$   
(c)  $90^\circ$   
(d)  $180^\circ$

- Q17. Find the value of  $x$
- (a)  $50^\circ$
  - (b)  $70^\circ$
  - (c)  $120^\circ$
  - (d)  $180^\circ$
- Q18. The approximate distance of moon from the earth is 384,467,000 m and in exponential form this distance can be written as \_\_\_\_\_ .
- (a)  $3.84,467 \times 10^8 \text{m}$
  - (b)  $384,467 \times 10^{-8} \text{m}$
  - (c)  $384,467 \times 10^{-9}$
  - (d)  $3.844,67 \times 10^{-13} \text{m}$
- Q19. Find the number from the following expanded form:  $9 \times 10^5 + 2 \times 10^2 + 3 \times 10^1$
- (a) 900203
  - (b) 912351
  - (c) 905302
  - (d) 900230
- Q20. Usual form of the expression  $9 \times 10^{-5}$  is given by \_\_\_\_\_ .
- (a) 0.00009
  - (b) 0.000009
  - (c)  $90 \times 10^{-4}$
  - (d)  $0.09 \times 10^{-3}$
- Q21. You want to show that  $\triangle ART \cong \triangle PEN$ , if you have to use SSS criterion, then you need to show AR =
- (a) PN
  - (b) EN
  - (c)  $\angle P$
  - (d) PE
- Q22. According to Pythagoras property, in a right-angled triangle, the square on the \_\_\_\_\_ = sum of the squares on the legs.
- (a) Right angle
  - (b) Altitude
  - (c) Hypotenuse
  - (d) None of these

- Q23. The hypotenuse of a right triangle is 2 cm more than the longer side of the triangle. The shorter side of the triangle is 7 cm less than the longer side. Find the length of hypotenuse.
- (a) 15
  - (b) 17
  - (c) 41
  - (d) 25
- Q24. In a right angled isosceles triangle, find the ratio of their sides.
- (a)  $1 : 2\sqrt{2}$
  - (b)  $2 : 3\sqrt{2}$
  - (c)  $3\sqrt{2} : 2$
  - (d)  $2\sqrt{2} : 1$
- Q25. The number of triangular faces of a triangular prism is \_\_\_\_\_.
- (a) 6
  - (b) 7
  - (c) 9
  - (d) 5
- Q26. What will be the number of edges if there are 12 vertices and 20 faces?
- (a) 25
  - (b) 28
  - (c) 30
  - (d) 40
- Q27. Find the number of lines of symmetry in a scalene triangle.
- (a) 2
  - (b) 0
  - (c) 3
  - (d) 4
- Q28. The ratio of the number of boys and girls in a college is 7 : 8. If the percentage increase in the number of boys and girls be 20% and 10% respectively, what will be the new ratio?
- (a) 8 : 9
  - (b) 17 : 18
  - (c) 21 : 22
  - (d) Cannot be determined

- Q29. Salaries of Ravi and Sumit are in the ratio 2 : 3. If the salary of each is increased by Rs. 4000, the new ratio becomes 40 : 57. What is Sumit's salary?
- (a) Rs. 17, 000
  - (b) Rs. 20, 000
  - (c) Rs. 25, 500
  - (d) Rs. 38, 0000
- Q30. If  $0.75 : x :: 5 : 8$ , then x is equal to:
- (a) 1.12
  - (b) 1.2
  - (c) 1.25
  - (d) 1.30