CLASS 7 MATH TEST PAPER 2 (MCQ)

Class 07 - Mathematics

Time Allowed: 45 minutes **Maximum Marks: 20**

1. An elevator descends into a mine shaft at the rate of 8 m/min. If the descend starts from 12 m above the ground level, how long will it take to reach -468 m? **[1]**

   a) 50 mins b) 10 mins

   c) 30 mins d) 60 mins

2. The value of 5 ÷ (-1) does not lie between **[1]**

   a) 0 and -10 b) -6 and 6

   c) -4 and -15 d) 0 and 10

3. The cost of 95 drawing files is ₹ 294.50. What is the cost of 1 such drawing file? **[1]**

   a) ₹ 3.5 b) ₹ 4.90

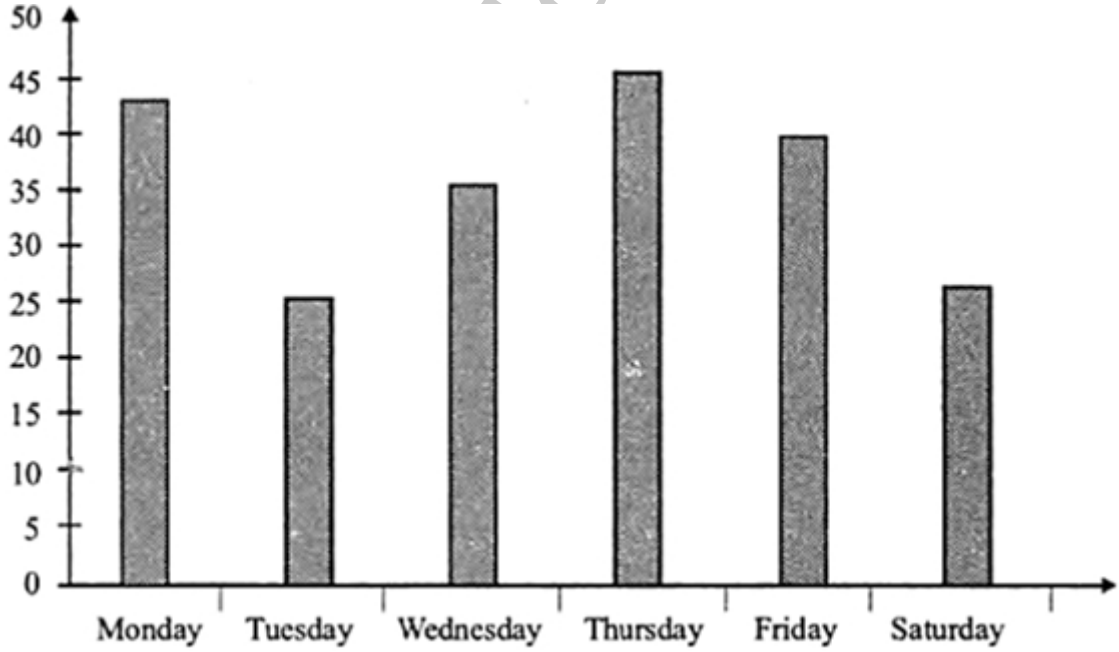
   c) ₹ 51.02 d) ₹ 3.1

4. The product of 3 and $4\frac{2}{5}$ is: **[1]**

   a) $5\frac{1}{13}$ b) $\frac{24}{5}$

   c) $13\frac{1}{5}$ d) $17\frac{2}{5}$

5. Given below a graph representing the number of electric bulbs sold by a shopkeeper during a week of the month: **[1]**



   On which day of the week sale was maximum?

   a) Monday b) Friday

   c) Tuesday d) Thursday

6. Garima collected the data regarding weights of students of her class and prepared the following table: **[1]**

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Weight (in kg)	44-49	50-55	56-61	62-67
Number of students	8	15	25	17

A student is to be selected randomly from her class for some competition. The probability of selection of the student is highest whose weight (in kg) is in the interval _____.

a) 62-67 b) 56-61

c) 50-55 d) 44-49

7. x exceeds 3 by 7, can be represented as **[1]**

a) x + 3 = 2 b) x - 7 = 3

c) x + 3 = 7 d) x - 3 = 7

8. What is y in 10y – 20 = 50? **[1]**

a) 5 b) 9

c) 7 d) 2

9. Find the complement of 16°. **[1]**

a) 84° b) 64°

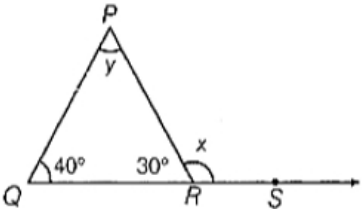
c) 74° d) 54°

10. If two supplementary angles are in the ratio 1 : 2, then the bigger angle is **[1]**

a) 90° b) 110°

c) 120° d) 125°

11. In the following figure, then the value of 2x, is **[1]**

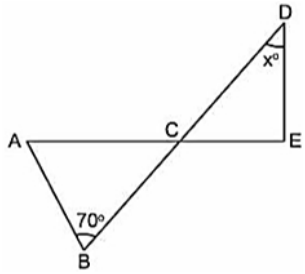


a) 100° b) 300°

c) 50° d) 200°

12. In the triangle ABC below, AC = BC **[1]**

In the triangle DCE, ∠CED = 90°



What is the value of x?

a) 40 b) 60

c) 50 d) 70

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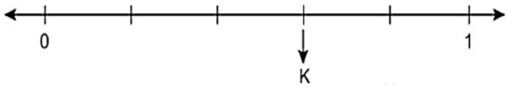
13. The standard form of $\frac{-48}{60}$ is **[1]**

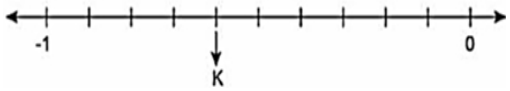
a) $\frac{48}{60}$ b) $\frac{-60}{48}$

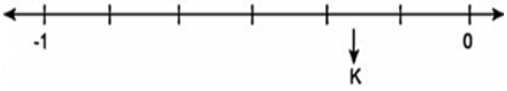
c) $\frac{-4}{5}$ d) $\frac{-4}{-5}$

14. In which of the following options does Point K represent $-\frac{1}{5}$ on the number line? **[1]**

a) 

b)

c) 

d) 

15. Find the value of $(a + b)^2$ for a = 3, b = 2. **[1]**

a) 30 b) 25

c) 20 d) 35

16. The value of $3x^2 - 5x + 3$ when x = 1 is **[1]**

a) - 1 b) 11

c) 1 d) 0

17. Simplify: $x^2y^2x^5y^3$. **[1]**

a) $x^7\ y^5$ b) $x^5\ y^7$

c) $x^7\ y^7$ d) $x^5\ y^5$

18. Simplify and write the answer in exponential form. $\left(6^5\right)^3 \div 6^3$ **[1]**

a) 6^{18} b) 6^{10}

c) 6^{11} d) 6^{12}

19. How many lines of symmetries are there in an equilateral triangle? **[1]**

a) 1 b) 0

c) 2 d) 3

20. The solid with one circular face, one curved surface and one vertex is known as: **[1]**

a) sphere b) prism

c) cylinder d) cone

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