

Question 1: What is the sum of $\frac{3}{7}$ and $\frac{5}{12}$?

- a) $\frac{8}{19}$
- b) $\frac{71}{19}$
- c) $\frac{8}{84}$
- d) $\frac{71}{84}$

Question 2: Divide 8 with 25 as a decimal

- a) 0.32
- b) 3.12
- c) 0.30
- d) 3.20

Question 3: A rectangular garden is 50 m long and 30 m wide. $\frac{1}{5}$ of the area is planted with flowers, $\frac{1}{3}$ of the remaining with vegetables. What area is left unplanted?

- a) 800 m^2
- b) 720 m^2
- c) 700 m^2
- d) 750 m^2

Question 4: 59,437 rounded off to the nearest hundred is

- a) 59,000
- b) 60,000
- c) 59,500
- d) 59,400

Question 5: Complete the pattern: 5, 15, 45, 135, ____

- a) 540
- b) 405
- c) 450
- d) 425

Question 6: Simplify: $100 - (25 + 15) \div 10$

- a) 96
- b) 9
- c) 6
- d) 40

Question 7: Convert the fraction $\frac{3}{5}$ to an equivalent fraction with a denominator of 20.

- a) $\frac{3}{20}$
- b) $\frac{12}{20}$
- c) $\frac{1}{20}$
- d) $\frac{8}{20}$

Question 8: Mohit and John have a total of 120 coins, Bobby and Kohli have 153 coins and Mohit and Bobby have 127 coins. John and Kohli have ____ coins.

- a) 110
- b) 130
- c) 146
- d) 143

Question 9: Among the following numbers, which is closest to 10.9?

- a) 11
- b) 11.90
- c) 10
- d) 11.10

Question 10: Which of the following numbers is both a multiple of 6 and 9?

- a) 54,321
- b) 54,327
- c) 54,324
- d) 54,329

Question 11: The mixed fraction $5\frac{4}{7}$ can be expressed as

- a) $\frac{33}{7}$
- b) $\frac{37}{7}$
- c) $\frac{39}{7}$
- d) $\frac{39}{5}$

Question 12: Three times a number is 36. One-third of that certain number is

- a) 12
- b) 24
- c) 4
- d) 18

Question 13: A car covers 24 km in 4 L of petrol. How much distance will it cover using 2 L of petrol?

- a) 4 km
- b) 12 km
- c) 6 km
- d) 18 km

Question 14: A local train reached the station 15 minutes early at 8:35 AM. Usually the travel time of the train is 2 hours 25 mins, at what time did the train start?

- a) 6:10 AM
- b) 6:25 AM
- c) 6:50 AM
- d) 7:00 AM

Question 15: The volume of a cube of side 8 cm is

- a) 580 cm^3
- b) 542 cm^3
- c) 576 cm^3
- d) 512 cm^3

Question 16: While cooking a curry, the mass of it reduced from 1 kg to 850g. Find the percentage reduction in the weight of the curry.

- a) 30%
- b) 20%
- c) 15%
- d) 10%

Question 17: $4 \times 9 \times 16 = \underline{\hspace{2cm}}$

- a) 756
- b) 576
- c) 567
- d) 657

Question 18: A bag has 3 red and 2 blue marbles. If one marble is picked at random, probability of red is?

- a) $\frac{2}{5}$
- b) $\frac{1}{5}$
- c) $\frac{3}{5}$
- d) $\frac{1}{2}$

Question 19: Fill the correct symbol in the box: $5,760 + 24$ _____ $1,892 + 3,898$

- a) $>$
- b) $<$
- c) $=$
- d) $\geq$

Question 20: What is the HCF of 210, 350 and 546?

- a) 14
- b) 28
- c) 7
- d) 1

Question 21: 25% of 400 and 40% of 150

- a) 150
- b) 160
- c) 165
- d) 185

Question 22: The measure of each angle of a regular octagon is

- a) 120°
- b) 145°
- c) 140°
- d) 135°

Question 23: Simplify:

$$590 - [2 \times \{ 20 \times (9 \times 2 - 8 \times 6) \}]$$

- a) 1790
- b) 178
- c) 12,590
- d) 1190

Question 24: Which number is exactly divisible by 2 & 3?

- a) 2926
- b) 2922
- c) 2900
- d) 2918

Question 25: $6.5 \div 1.3 + 2.4$

- a) 74
- b) 7.4
- c) 0.74
- d) 74.4

Question 26: 45 is 20% of a number, the number is

- a) 200
- b) 220
- c) 225
- d) 245

Question 27: The sum of the first ten even numbers is

- a) 90
- b) 100
- c) 110
- d) 120

Question 28: How many times during a day the hands of a clock make a straight line?

- a) 11
- b) 22
- c) 24
- d) 44

Question 29: A boy spent ₹60 in total to buy pens and pencils. If he bought 5 pens and 5 pencils at ₹8 per pen. Find the cost of pencil.

- a) 20
- b) 5
- c) 4
- d) 40

Question 30: A square has area 144 cm^2 . Find its side.

- a) 12 cm
- b) 14 cm
- c) 10 cm
- d) 16 cm

Question 31: A man had ₹10,000. He spent $\frac{1}{5}$ on books, $\frac{1}{5}$ on clothes, and $\frac{1}{5}$ on food. How much money is left?

- a) ₹ 5000
- b) ₹ 6000
- c) ₹ 4000
- d) ₹ 2500

Question 32: A triangular plot has base 12 m and height 15 m. Find its area

- a) 180
- b) 27
- c) 60
- d) 90

Question 33: Convert 1,382,400 seconds into number of days

- a) 20 days
- b) 16 days
- c) 6 days
- d) 12 days

Question 34: The length of a park is 125 m and width is 85 m. Find its area.

- a) $10,000 \text{ m}^2$
- b) $10,500 \text{ m}^2$
- c) $10,625 \text{ m}^2$
- d) $11,000 \text{ m}^2$

Question 35: A rectangle has diagonal 25 cm and breadth 7 cm. Its length is

- a) 18 cm
- b) 20 cm
- c) 24 cm
- d) 25 cm

Question 36: A train travels 360 km at 60 km/h and then 240 km at 80 km/h. Find the total time taken.

- a) 10 hours
- b) 9 hours
- c) 8 hours
- d) 8 hours 30 mins

Question 37: If the value decreased by 12% becomes 176. Original value is

- a) 200
- b) 190
- c) 250
- d) 225

Question 38: A number is 25% more than 64. What is the number?

- a) 72
- b) 80
- c) 85
- d) 75

Question 39: Which quadrilateral has both pairs of opposite sides parallel and all angles equal?

- a) Rhombus
- b) Square
- c) Parallelogram
- d) Rectangle

Question 40: If the side of a square is doubled. The new area will be

- a) 2 times
- b) 4 times
- c) 8 times
- d) Remains same

Question 41: A rectangle has a length of 24 cm and a width of 18 cm. Its perimeter is increased by 6 cm and width decreased by 3 cm. What is the new area?

- a) 540 cm²
- b) 480 cm²
- c) 360 cm²
- d) 450 cm²

Question 42: Which of the following is not a chord of a circle?

- a) Radius
- b) Diameter
- c) Any line connecting two points on the circle
- d) Line inside circle connecting boundary points

Question 43: A die is rolled once. What is the probability of getting a 4?

- a) $\frac{1}{6}$
- b) $\frac{1}{4}$
- c) $\frac{2}{3}$
- d) $\frac{1}{2}$

Question 44: The distance around a circle is called its

- a) Radius
- b) Diameter
- c) Circumference
- d) Area

Question 45: A shop sold 234 pencils on Monday, 156 on Tuesday, and 298 on Wednesday. Each pencil costs ₹5. What is the total revenue from all three days?

- a) ₹ 3940
- b) ₹ 3440
- c) ₹ 3040
- d) ₹ 4000

Question 46: Complete the pattern: 3, 5, 9, 17, 33, __

- a) 65
- b) 66
- c) 56
- d) 38

Question 47: A circle is divided into 8 equal sectors. The angle of each sector is

- a) 90°
- b) 60°
- c) 30°
- d) 45°

Question 48: Which measure gives the middle value of an ordered data set?

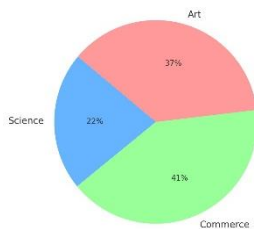
- a) Range
- b) Mean
- c) Mode
- d) Median

Question 49: What is the sum of the interior angles of a hexagon?

- a) 360°
- b) 540°
- c) 720°
- d) 1080°

Question 50: 850 students passed class 10th in a school. They choose different streams for their further studies as show in the given pie chart. Find the number of students who did not choose the Science Stream.

- a) 187
- b) 663
- c) 350
- d) 315



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(NOT TO BE EVALUATED)

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