

1) Sarah bought 3.5 kg of apples and 2.25 kg of bananas. What is the total weight of the fruits she bought?

- a) 5.25 kg
- b) 5.5 kg
- c) 5.75 kg
- d) 6 kg

Answer: c) 5.75 kg



2) What is the greatest number that can divide 36 and 48 without leaving a remainder?

- a) 6
- b) 12
- c) 18
- d) 24

Answer: b) 12

3) Mrs. Smith has 18 pencils and 24 erasers. What is the largest number of sets she can create if each set has an equal number of pencils and erasers?

- a) 3
- b) 6
- c) 12
- d) 18

Answer: b) 6

4) A farmer divides his land into rows of 36, 48, or 72 plants. What is the largest number of plants he can group in each row?

- a) 12
- b) 24
- c) 36
- d) 48

Answer: a) 12



5) A baker bakes cakes in groups of 18 and pies in groups of 24. What is the smallest number of baked goods she can make to have the same number of cakes and pies?

- a) 36
- b) 54
- c) 72
- d) 96

Answer: c) 72



6) The scores of students in a math quiz are: 75, 80, 85, 90, 75. What is the range of the scores?

- a) 5
- b) 10
- c) 15
- d) 20

Answer: c) 15

7) A bank offers a 5% annual interest rate. If you deposit \$1,000, how much interest will you earn in one year?

- a) \$40
- b) \$45
- c) \$50
- d) \$55

Answer: c) \$50

8) In a class of 50 students, 60% are boys. How many boys are there?

- a) 25
- b) 30
- c) 35
- d) 40

Answer: b) 30

9) A sum of \$2,000 is invested at an annual interest rate of 5% for 3 years. What is the simple interest earned?

- a) \$200
- b) \$250

- c) \$300
- d) \$400

Answer: c) \$300

10) If \$1,500 earns \$225 as interest over 3 years, what is the annual interest rate?

- a) 3%
- b) 4%
- c) 5%
- d) 6%

Answer: c) 5%

11) A loan of \$800 is repaid after 4 years with an annual interest rate of 5%. How much interest was paid?

- a) \$120
- b) \$140
- c) \$150
- d) \$160

Answer: d) \$160

12) A bag contains red and blue marbles in a ratio of 2:3. If there are 30 marbles in total, how many are red?

- a) 6
- b) 10
- c) 12
- d) 20

Answer: c) 12

13) The ages of two siblings are in the ratio 5:7. If the older sibling is 21 years old, how old is the younger sibling?

- a) 14
- b) 15
- c) 18
- d) 20



Answer: b) 15

14) A car traveled 180 miles using 15 gallons of fuel. What is the ratio of miles traveled to gallons of fuel used?

- a) 10:1
- b) 12:1
- c) 15:1
- d) 18:1

Answer: b) 12:1

15) If a gym charges \$20 per session plus a \$10 registration fee, how much will Maria pay for 5 sessions?

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

Answer: c) \$110

16) Anna has \$100 and spends \$x on groceries. After buying groceries, she has \$40 left. How much did she spend?

- a) \$40
- b) \$50
- c) \$60
- d) \$70

Answer: c) \$60

17) A rectangular garden has a length of 20 meters and a width of 10 meters. What is its perimeter?

- a) 30 meters
- b) 40 meters
- c) 50 meters
- d) 60 meters

Answer: d) 60 meters

18) A hexagon has six equal sides, each measuring 8 cm. What is its perimeter?

- a) 40 cm
- b) 44 cm
- c) 48 cm
- d) 56 cm

Answer: c) 48 cm

19) A triangular plot of land has a base of 10 meters and a height of 6 meters. What is its area?

- a) 20 m^2
- b) 30 m^2
- c) 40 m^2
- d) 50 m^2

Answer: b) 30 m^2

20) A triangular banner has a base of 12 inches and a height of 7 inches. What is its area?

- a) 36 in^2
- b) 42 in^2
- c) 48 in^2
- d) 52 in^2

Answer: b) 42 in^2

21) The area of a triangle is 50 cm^2 , and the base is 10 cm. What is the height?

- a) 8 cm
- b) 9 cm
- c) 10 cm
- d) 11 cm

Answer: c) 10 cm

21) A square has a side length of 12 cm. What is its area?

- a) 100 cm^2

- b) 120 cm^2
- c) 144 cm^2
- d) 150 cm^2

Answer: c) 144 cm^2

22) In a right-angled triangle, the two shorter sides are 6 cm and 8 cm. What is the length of the hypotenuse?

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

Answer: a) 10 cm

23) A clock shows the time as 10:10. What type of angle is formed by the hands of the clock?

- a) Acute
- b) Right
- c) Obtuse
- d) Straight

Answer: c) Obtuse

24) The door of a room is opened such that the angle between the door and the wall is 120° . What type of angle is this?

- a) Acute
- b) Right
- c) Obtuse
- d) Reflex

Answer: c) Obtuse

25) A road sign is shaped like a triangle, with one angle measuring 45° . What type of angle is this?

- a) Acute
- b) Right

- c) Obtuse
- d) Reflex

Answer: a) Acute

26) A ladder leans against a wall, forming a 75° angle with the ground. What type of angle is formed between the ladder and the ground?

- a) Acute
- b) Right
- c) Obtuse
- d) Straight

Answer: a) Acute

27) A gift box is a cube with sides of 4 cm. What is the volume of the box?

- a) 16 cm^3
- b) 32 cm^3
- c) 64 cm^3
- d) 128 cm^3

Answer: c) 64 cm^3

28) A fish tank measures 30 cm long, 20 cm wide, and 15 cm tall. How much water can it hold?

- a) $6,000 \text{ cm}^3$
- b) $8,000 \text{ cm}^3$
- c) $9,000 \text{ cm}^3$
- d) $10,000 \text{ cm}^3$

Answer: c) $9,000 \text{ cm}^3$

29) Two machines beep every 16 seconds and 24 seconds, respectively. If they beep together at 12:00 PM, when is the next time they beep together?

- a) 12:00:48 PM
- b) 12:01:12 PM
- c) 12:01:20 PM
- d) 12:01:28 PM

Answer: a) 12:00:48 PM

30) Three buses leave a station at intervals of 12 minutes, 20 minutes, and 24 minutes. If they all leave at 9:00 AM, when will they leave together again?

- a) 9:48 AM
- b) 10:00 AM
- c) 10:12 AM
- d) None of the options

Answer: d) None of the options

