

Middle School Mathematics Fundamentals

Mathematics · Practice Test · 20 Questions

1. What is the value of 15% of 200?

- A) 20
- B) 25
- C) 30
- D) 35

2. A triangle with all three sides of equal length is known as:

- A) Scalene
- B) Isosceles
- C) Equilateral
- D) Right-angled

3. What is the result of $-5 + 12$?

- A) 7
- B) 17
- C) -7
- D) -17

4. How many degrees are in a straight angle?

- A) 90
- B) 180
- C) 270
- D) 360

5. Which number is a prime number?

- A) 4
- B) 6
- C) 9
- D) 11

6. If $3x = 12$, what is the value of x ?

- A) 3
- B) 4
- C) 6
- D) 9

7. What is the perimeter of a rectangle with a length of 5cm and a width of 3cm?

- A) 8cm
- B) 15cm
- C) 16cm
- D) 30cm

8. What is the square root of 64?

- A) 6
- B) 7
- C) 8
- D) 9

9. How many milliliters are in 2.5 liters?

- A) 25ml
- B) 250ml
- C) 2500ml
- D) 25000ml

10. What is the median of the following set of numbers: 2, 4, 4, 5, 8?

- A) 4
- B) 4.5
- C) 5
- D) 6

11. Which of these is an equivalent fraction to $\frac{1}{2}$?

- A) $\frac{2}{3}$
- B) $\frac{3}{6}$
- C) $\frac{4}{7}$
- D) $\frac{5}{9}$

12. What is the sum of the interior angles of a triangle?

- A) 90 degrees
- B) 180 degrees
- C) 270 degrees
- D) 360 degrees

13. Which operation should be performed first according to the order of operations (BODMAS/PEMDAS)?

- A) Addition
- B) Multiplication
- C) Brackets
- D) Subtraction

14. What is 2 to the power of 4 (2^4)?

- A) 6
- B) 8
- C) 12
- D) 16

15. What is the name of a polygon with eight sides?

- A) Hexagon
- B) Heptagon
- C) Octagon
- D) Nonagon

16. If a clock shows 3:00, what type of angle is formed by the hands?

- A) Acute
- B) Obtuse
- C) Right
- D) Straight

17. What is 0.5 expressed as a percentage?

- A) 0.5%
- B) 5%
- C) 50%
- D) 500%

18. Which of the following numbers is a composite number?

- A) 2
- B) 3
- C) 7
- D) 9

19. What is the formula for the area of a rectangle?

- A) Length + Width
- B) $2 \times (\text{Length} + \text{Width})$
- C) Length \times Width
- D) Length / Width

20. How many grams are in 3 kilograms?

- A) 30g
- B) 300g
- C) 3000g
- D) 30000g