

Math Mastery for Pre-Teens

Mathematics · Practice Test · 20 Questions

1. What is the value of the digit '7' in the number 47,321?

- A) 7 ones
- B) 7 tens
- C) 7 hundreds
- D) 7 thousands

2. Which of the following is a prime number?

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

3. If a rectangle has a length of 8 cm and a width of 5 cm, what is its area?

- A) 13 sq cm
- B) 26 sq cm
- C) 40 sq cm
- D) 64 sq cm

4. What is $\frac{3}{4}$ as a decimal?

- A) 0.25
- B) 0.50
- C) 0.75
- D) 1.33

5. How many sides does a hexagon have?

- A) 5
- B) 6
- C) 7
- D) 8

6. What is the perimeter of a square with sides of 7 metres?

- A) 14 metres
- B) 21 metres
- C) 28 metres
- D) 49 metres

7. Which operation is the inverse of addition?

- A) Multiplication
- B) Division
- C) Subtraction
- D) Exponentiation

8. What is the value of 5 squared (5^2)?

- A) 10
- B) 25
- C) 30
- D) 50

9. If you have 1.5 kilograms of flour, how many grams is that?

- A) 15 grams
- B) 150 grams
- C) 1500 grams
- D) 15000 grams

10. What is the average of the numbers 10, 20, and 30?

- A) 15
- B) 20
- C) 25
- D) 30

11. Which angle is exactly 90 degrees?

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

12. What is the product of 6 and 7?

- A) 13
- B) 36
- C) 42
- D) 49

13. If a clock shows 3:15, what fraction of an hour has passed since 3:00?

- A) $\frac{1}{4}$
- B) $\frac{1}{3}$
- C) $\frac{1}{2}$
- D) $\frac{3}{4}$

14. What is the smallest 3-digit number?

- A) 100
- B) 101
- C) 99
- D) 001

15. Which shape has three vertices and three sides?

- A) Square
- B) Circle
- C) Triangle
- D) Rectangle

16. What is the remainder when 25 is divided by 4?

- A) 0
- B) 1
- C) 2
- D) 3

17. If you have 1 litre of water, how many millilitres is that?

- A) 10 millilitres
- B) 100 millilitres
- C) 1000 millilitres
- D) 10000 millilitres

18. Which number is divisible by both 2 and 5?

- A) 25
- B) 32
- C) 40
- D) 51

19. What is $\frac{1}{2} + \frac{1}{4}$?

- A) $\frac{1}{6}$
- B) $\frac{2}{6}$
- C) $\frac{3}{4}$
- D) $\frac{3}{8}$

20. A cube has how many faces?

- A) 4
- B) 6
- C) 8
- D) 12