

Math Mastery for Pre-Teens

Mathematics · Answer Key · 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