

Fundamentals of Mathematics

Basic Math · Answer Key · 25 Questions

1. What is the sum of the first three prime numbers?

- A) 5
- B) 6**
- C) 10
- D) 12

2. Which number is considered the only even prime number?

- A) 0
- B) 2**
- C) 4
- D) 8

3. How many sides does a heptagon have?

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

4. What is the product of 12 and 13?

- A) 144
- B) 156**
- C) 169
- D) 182

5. A straight angle measures exactly how many degrees?

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

6. Which mathematical constant is approximately equal to 3.14159?

- A) e
- B) phi
- C) pi**
- D) gamma

7. How many millimetres are in one centimetre?

- A) 1
- B) 10**
- C) 100
- D) 1000

8. What is the square root of 144?

- A) 10
- B) 11
- C) 12**
- D) 14

9. Which of these numbers is a perfect square?

- A) 10
- B) 20
- C) 30
- D) 49**

10. What is 25 percent of 200?

- A) 25
- B) 50**
- C) 75
- D) 100

11. How many vertices does a cube have?

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

12. What is the result of 2 raised to the power of 5?

- A) 10
- B) 25
- C) 32**
- D) 64

13. How many sides does a nonagon have?

- A) 7
- B) 8
- C) 9**
- D) 10

14. Which is the smallest prime number greater than 10?

A) 11

B) 13

C) 15

D) 17

15. The perimeter of a square with a side length of 5cm is:

A) 10cm

B) 15cm

C) 20cm

D) 25cm

16. How many years are in a millennium?

A) 10

B) 100

C) 500

D) 1000

17. What is the value of 0 divided by 5?

A) 0

B) 5

C) 1

D) Undefined

18. Which number is the multiplicative identity?

A) 0

B) 1

C) -1

D) 10

19. What is the sum of the angles in a triangle?

A) 90

B) 180

C) 270

D) 360

20. How many grams are in a kilogram?

A) 10

B) 100

C) 1000

D) 10000

21. What is the next number in the sequence: 2, 4, 8, 16, ...?

- A) 20
- B) 24
- C) 32**
- D) 48

22. Which shape has all sides of equal length and all interior angles equal to 90 degrees?

- A) Rhombus
- B) Trapezoid
- C) Square**
- D) Parallelogram

23. How many minutes are in three hours?

- A) 120
- B) 150
- C) 180**
- D) 210

24. What is the decimal equivalent of $\frac{1}{2}$?

- A) 0.2
- B) 0.25
- C) 0.5**
- D) 0.75

25. What is 15 percent of 100?

- A) 10
- B) 15**
- C) 20
- D) 25