

Foundations of Mathematics

Mathematics · Answer Key · 25 Questions

1. What is the result of 15 multiplied by 12?

- A) 150
- B) 170
- C) 180**
- D) 190

2. How many sides does a heptagon have?

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

3. Which number is the only even prime number?

- A) 0
- B) 1
- C) 2**
- D) 4

4. What is the value of 5 cubed (5^3)?

- A) 15
- B) 25
- C) 100
- D) 125**

5. What is the square root of 144?

- A) 10
- B) 12**
- C) 14
- D) 16

6. How many degrees are in a straight angle?

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

7. Which of these is a prime number?

- A) 9
- B) 21
- C) 27
- D) 31**

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

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

9. What is 10 percent of 250?

- A) 2.5
- B) 25**
- C) 50
- D) 250

10. What is the next prime number after 7?

- A) 8
- B) 9
- C) 10
- D) 11**

11. How many minutes are in 3 hours?

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

12. What is the result of 100 minus 37?

- A) 53
- B) 63**
- C) 73
- D) 83

13. How many sides does a nonagon have?

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

14. What is the value of pi rounded to two decimal places?

A) 3.12

B) 3.14

C) 3.16

D) 3.18

15. What is 8 times 9?

A) 64

B) 72

C) 81

D) 84

16. How many centimetres are in 2 metres?

A) 20

B) 50

C) 100

D) 200

17. What is the name for a polygon with eight sides?

A) Hexagon

B) Heptagon

C) Octagon

D) Nonagon

18. Which is the largest among these fractions: $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$?

A) $\frac{1}{5}$

B) $\frac{1}{4}$

C) $\frac{1}{3}$

D) $\frac{1}{2}$

19. What is 15 squared (15^2)?

A) 150

B) 225

C) 250

D) 300

20. How many years are in a century?

A) 10

B) 50

C) 100

D) 1000

21. What is the product of 0 and 500?

- A) 0**
- B) 1
- C) 500
- D) 5000

22. How many faces does a cube have?

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

23. What is 45 divided by 5?

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

24. What is the perimeter of a square with a side length of 6 units?

- A) 12
- B) 24**
- C) 36
- D) 48

25. Which of these numbers is a perfect square?

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