

Scientific Foundations of Basic Math

Mathematics · Answer Key · 18 Questions

1. How many sides does a standard hexagon have?

- A) 4
- B) 5
- C) 6**
- D) 8

2. What is the sum of the interior angles of a triangle in Euclidean geometry?

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

3. How many millimetres are in one centimetre?

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

4. Which number represents the approximate value of pi (?) used in most basic calculations?

- A) 2.14
- B) 3.14**
- C) 4.14
- D) 5.14

5. How many planets in our solar system are there?

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

6. What is the result of 2 to the power of 3?

- A) 5
- B) 6
- C) 8**
- D) 9

7. How many degrees are in a full circle?

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

8. In the metric system, what does the prefix 'kilo' signify?

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

9. How many legs does a spider possess, according to biological classification?

- A) 6
- B) 8**
- C) 10
- D) 12

10. What is the freezing point of water in degrees Celsius?

- A) 0**
- B) 32
- C) 100
- D) 212

11. If a square has a side length of 3 cm, what is its area in square centimetres?

- A) 6
- B) 9**
- C) 12
- D) 15

12. How many hours are in one day?

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

13. What is the base-10 number for the Roman numeral 'V'?

- A) 4
- B) 5**
- C) 6
- D) 10

14. How many primary colours are used in the RYB colour model?

A) 2

B) 3

C) 4

D) 5

15. Which of these numbers is an even number?

A) 3

B) 7

C) 12

D) 15

16. How many months are in a standard calendar year?

A) 10

B) 11

C) 12

D) 13

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

A) 0

B) 1

C) 5

D) 10

18. How many centimetres are in one metre?

A) 10

B) 50

C) 100

D) 1000