

High School Basic Mathematics Assessment

Mathematics · Answer Key · 8 Questions

1. What is the value of the expression $3x + 5$ when $x = 4$?

- A) 12
- B) 17**
- C) 20
- D) 23

2. Which of the following describes the sum of the interior angles of a triangle?

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

3. What is the square root of 144?

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

4. Which term represents the number that is multiplied by a variable in an algebraic expression?

- A) Coefficient**
- B) Exponent
- C) Constant
- D) Base

5. If a circle has a radius of 5 cm, what is its diameter?

- A) 2.5 cm
- B) 5 cm
- C) 10 cm**
- D) 25 cm

6. Which value is equivalent to 2^3 ?

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

7. In the Cartesian coordinate system, what is the value of the y-coordinate at the origin?

A) -1

B) 0

C) 1

D) 10

8. What is the result of 15% of 200?

A) 15

B) 20

C) 30

D) 40