

SAT Geometry Practice

Triangle Perimeter

Name: _____ Date: _____

Directions: Choose the best answer. Show your work. Use $\pi = 3.14$ unless the problem says to leave the answer in terms of π .

1. A triangle has side lengths 7, 10, and 13. What is its perimeter?

- A. 20
- B. 23
- C. 30
- D. 91

2. An equilateral triangle has a side length of 9 inches. What is its perimeter?

- A. 18 in
- B. 27 in
- C. 36 in
- D. 81 in

3. A triangle has side lengths 12 cm, 15 cm, and 17 cm. What is its perimeter?

- A. 44 cm
- B. 45 cm
- C. 49 cm
- D. 204 cm

4. Two sides of a triangle are 8 and 11. The third side is 5 more than the shorter side. What is the perimeter?

- A. 24
- B. 27
- C. 30
- D. 32

5. An isosceles triangle has two equal sides of 14 feet and a base of 10 feet. What is its perimeter?

- A. 24 ft
- B. 28 ft
- C. 38 ft
- D. 42 ft

6. The perimeter of a triangle is 38. Two sides are 12 and 9. What is the third side?

- A. 7
- B. 17
- C. 19
- D. 21

7. A triangle has sides x , $x + 3$, and $x + 6$. Its perimeter is 36. What is x ?

A. 6

B. 15

C. 12

D. 9

8. An equilateral triangle has a perimeter of 48. What is the length of each side?

A. 12

B. 14

C. 16

D. 144

9. A triangle has sides $2x$, $x + 4$, and 10. Its perimeter is 38. What is x ?

A. 8

B. 10

C. 11

D. 12

10. A triangular sign has side lengths 2.5 feet, 3.5 feet, and 4 feet. What is its perimeter?

A. 7.5 ft

B. 8 ft

C. 9 ft

D. 10 ft

Answer Key

Question	Answer
----------	--------

1	C
2	B
3	A
4	D
5	C
6	B
7	D
8	C
9	A
10	D