Name: _____ Date: _____

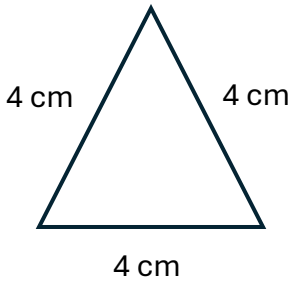
Perimeter of Triangles

What is perimeter?

Perimeter is the distance all the way around a 2D shape. To find the perimeter of a triangle you add the lengths of its three sides together.

The formula → Perimeter = Side A + Side B + Side C

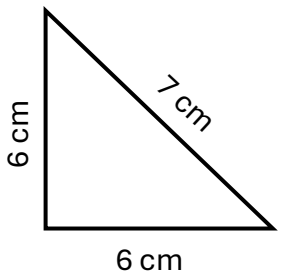
Example:



Perimeter = 4 cm + 4 cm + 4 cm = 12 cm

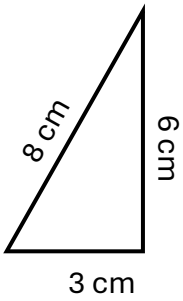
Part A: Find the perimeter of each triangle

1.



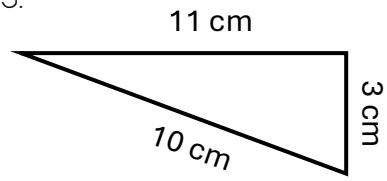
Perimeter = _____

2.



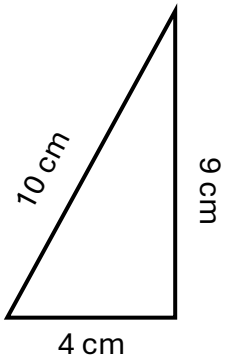
Perimeter = _____

3.



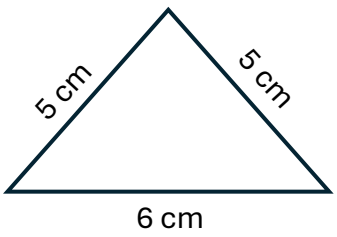
Perimeter = _____

4.



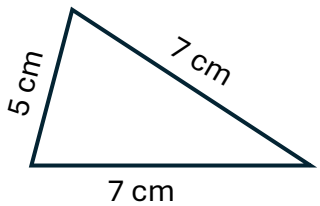
Perimeter = _____

5.



Perimeter = _____

6.



Perimeter = _____

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Part B: Missing Side Length.

Use the perimeter to find the missing side.

1. Perimeter = 18 cm
   Two sides are 5 cm and 7 cm.

2. Perimeter = 25 m
   Two sides are 8 m and 9 m.

3. Perimeter = 30 cm
   Two sides are 12 cm and 10 cm.

4. Perimeter = 42 m
   Two sides are 15 m and 12 m.

Part C: Word Problems

1. A triangular garden has sides measuring 8 m, 10 m, and 7 m. What is its perimeter? Draw a picture of the triangle.

   Perimeter = _____

2. A triangular playground has sides of 20 m, 18 m, and 15 m. How much fencing is needed to go around the playground? Draw a picture of the playground.

   Perimeter = _____

Name: _____ Date: _____

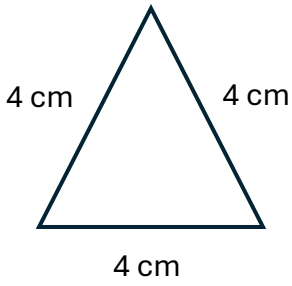
Perimeter of Triangles

What is perimeter?

Perimeter is the distance all the way around a 2D shape. To find the perimeter of a triangle you add the lengths of its three sides together.

The formula → Perimeter = Side A + Side B + Side C

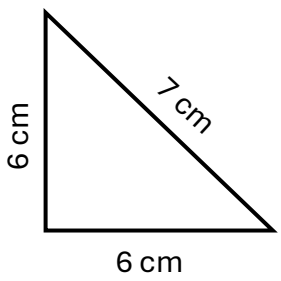
Example:



Perimeter = 4 cm + 4 cm + 4 cm = 12 cm

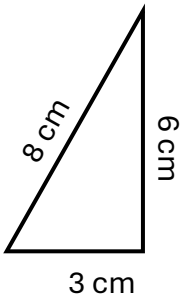
Part A: Find the perimeter of each triangle

1.



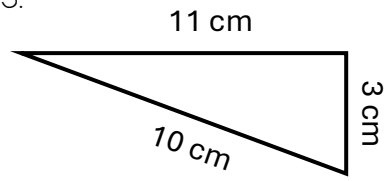
Perimeter = 19cm

2.



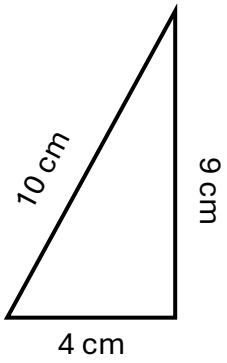
Perimeter = 18cm

3.



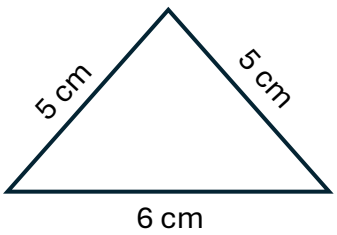
Perimeter = 24cm

4.



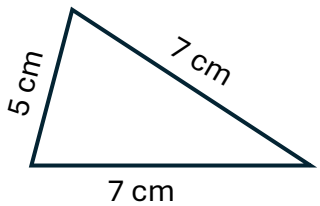
Perimeter = 23cm

5.



Perimeter = 16cm

6.



Perimeter = 19cm

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Part B: Missing Side Length.

Use the perimeter to find the missing side.

1. Perimeter = 18 cm
   Two sides are 5 cm and 7 cm.

18 – 7 – 5 = 6 cm

2. Perimeter = 25 m
   Two sides are 8 m and 9 m.

25 – 8 – 9 = 8 m

3. Perimeter = 30 cm
   Two sides are 12 cm and 10 cm.

30 – 12 – 10 = 8 cm

4. Perimeter = 42 m
   Two sides are 15 m and 12 m.

42 – 15 – 12 = 15 m

Part C: Word Problems

1. A triangular garden has sides measuring 8 m, 10 m, and 7 m. What is its perimeter?
   Draw a picture of the triangle.

Perimeter = 8 + 10 + 7 = 25 m

2. A triangular playground has sides of 20 m, 18 m, and 15 m. How much fencing is needed to go around the playground? Draw a picture of the playground.

Perimeter = 53 m

