SQUARE
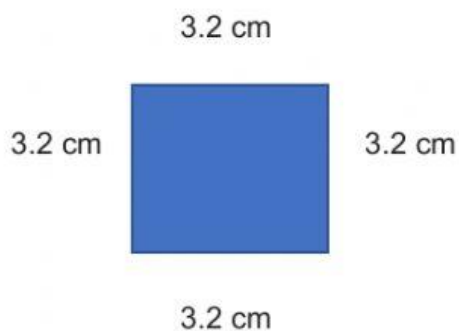
How can we find the perimeter of a square?

A square has **four sides**. We know that all the sides of a square are **equal.** To find the **perimeter** of a square multiply **4 sides** by the **length of a side**.

Perimeter of a square = 4 × length of a side

LENGTH

LENGTH

LENGTH

LENGTH

For example: Find the perimeter of this square.

3.2 cm

3.2 cm

3.2 cm

3.2 cm

Perimeter = 4 sides x 3.2 cm (length of a side) = **12.8 cm is the perimeter of this square**
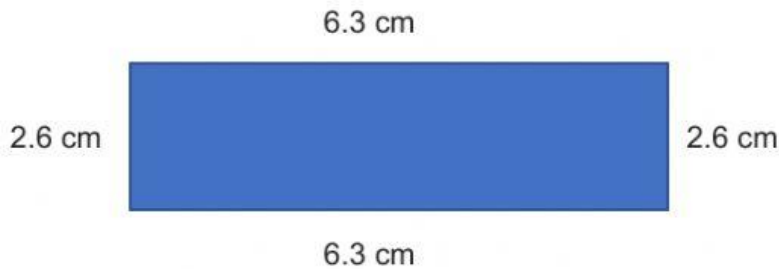
RECTANGLE

How can we find the perimeter of a rectangle?

The rectangle has **four sides**. **Two sides** are each equal to the **length** and the other two sides are equal to the **breadth**. To find the perimeter of a rectangle we have to multiply the length by 2 sides and the breadth by 2 sides and then, add the results.

Perimeter of a rectangle = 2 x length + 2 x breadth

LENGTH

BREADTH   **BREADTH**

LENGTH

For example: Find the perimeter of this rectangle.

6.3 cm

2.6 cm   2.6 cm

6.3 cm

Perimeter = 2 x length + 2 x breadth =

      =   2 x 6.3 + 2 x 2.6   =
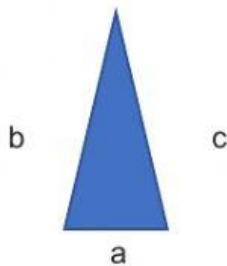
      =   12.6   +   5.2   = 17.8 cm is the perimeter of this rectangle
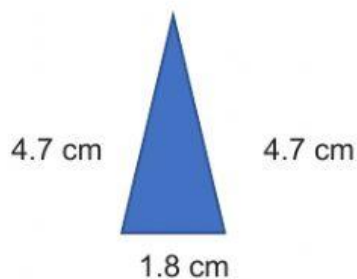
TRIANGLE

How can we find the perimeter of a triangle?

A triangle has three sides. The sides can have different length or two sides equal and another different. **To find the perimeter of a triangle we have to add the length of all of its sides.**

Perimeter of a triangle = a + b + c

For example: Find the perimeter of this triangle.
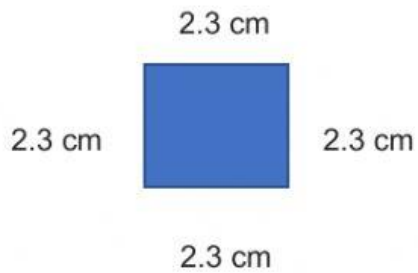
Perimeter of a triangle = a + b + c

Perimeter = 1.8 + 4.7 + 4.7 = 11.2 cm is the perimeter of this triangle

ACTIVITIES

Perimeter of a square = 4 × length of a side

1. Find the perimeter of these squares.
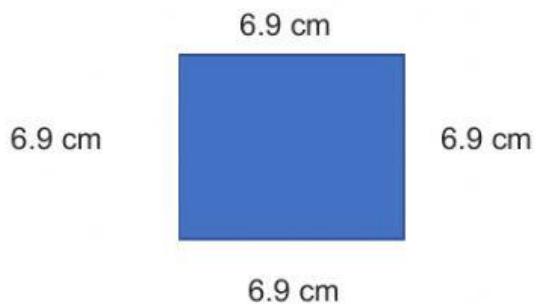
a)

2.3 cm

2.3 cm   2.3 cm

2.3 cm

Perimeter = [   ] [   ] [   ] = [   ] cm is

the perimeter of this square.

b)

6.9 cm

6.9 cm   6.9 cm

6.9 cm

Perimeter = [   ] [   ] [   ] = [   ] cm is
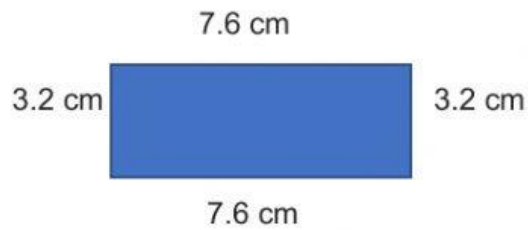
the perimeter of this square.

Perimeter of a rectangle = 2 x length + 2 x breadth

2. Find the perimeter of this rectangle

a)

7.6 cm

3.2 cm ▮ 3.2 cm

7.6 cm

Perimeter = ▢ ▢ ▢ ▢ ▢ ▢ ▢ =

= ▢ ▢ ▢ =

= ▢ cm is the perimeter of this rectangle

b)

6.4 cm

1.1 cm ▮ 1.1 cm

6.4 cm

Perimeter = ▢ ▢ ▢ ▢ ▢ ▢ ▢ =

= ▢ ▢ ▢ =
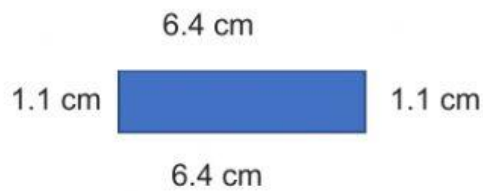
= ▢ cm is the perimeter of this rectangle

Perimeter of a triangle = a + b + c

3. Find the perimeter of this triangle

5.4 cm   5.4 cm

4.1 cm

Perimeter = [ ] [ ] [ ] [ ] [ ] = [ ] cm is the

perimeter of this triangle