# Perimeter of a Triangle

MathApex

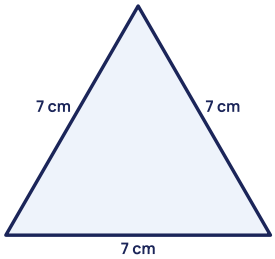
Name: _____ Date: _____

Watch video

**From the video** Triangle with three sides of 4 cm each → **3 × 4 = 12 cm**

## 1 Now it's your turn!

All 3 sides are 7 cm long. What is the perimeter?

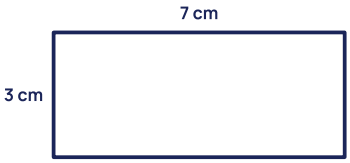



Three sides of equal length.

3 × ☐ = ☐ cm

## 2 Perimeter of the rectangle.

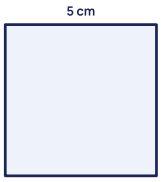
The rectangle is 7 cm long and 3 cm wide.




☐ + ☐ + ☐ + ☐ = ☐ cm

## 3 Perimeter of the square.

A square has sides of 5 cm. What is its perimeter?




4 × ☐ = ☐ cm

## 4 Triangles.

**a)** An equilateral triangle has three sides of 9 cm each. Perimeter?

3 × ☐ = ☐ cm

**b)** A triangle has sides of 6 cm, 8 cm and 10 cm. Perimeter?

☐ + ☐ + ☐ = ☐ cm

## 5 Think backwards.

A rectangle has a perimeter of **20 cm** and is 6 cm long. How wide is it?

20 − 6 − 6 = ☐ cm

☐ ÷ 2 = ☐ cm

## Brain teaser

A rectangle has a perimeter of 30 cm and is twice as long as it is wide. How long and how wide is it?

_____

_____

## 6 Draw a rectangle with a perimeter of 16 cm on the grid. There are several solutions.

MathApex

MATH STORY 65 · ANSWERS

# Perimeter of a Triangle

Watch video

**1** **Now it's your turn!**

**3 × 7 = 21 cm**

**2** **Perimeter of the rectangle.**

**7 + 3 + 7 + 3 = 20 cm**

**3** **Perimeter of the square.**

**4 × 5 = 20 cm**

**4** **Triangles.**

**3 × 9 = 27 cm**

**6 + 8 + 10 = 24 cm**

**5** **Think backwards.**

**20 − 6 − 6 = 8, 8 ÷ 2 = 4 cm**

★ **Brain teaser**

Width 5 cm, length 10 cm. Check: **10 + 5 + 10 + 5 = 30 cm**.

Perimeter = 6 times the width, so width = perimeter ÷ 6.

**6** **Rectangles with a perimeter of 16 cm.**

**1 cm and 7 cm** **2 cm and 6 cm** **3 cm and 5 cm** **4 cm and 4 cm**

Length + width must always make 8 cm.

**For parents and teachers:** This worksheet goes with the video "Perimeter of a Triangle" (Math Story 65, Grade 4). Perimeter means once around the outside. For a rectangle: two lengths and two widths, for a square: four equal sides.

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