Area of triangles and parallelograms

TAKE THE CHALLENGE

Read and answer the questions.

To calculate the area of a rectangle, you should multiply the length of its base by its height.

3.5 cm

7.3 cm

What is the area of the rectangle?

3.5 cm

7.3 cm

What would you do to have the area of the following triangle?

Concepts - Area

Read and complete.

| from | into | To | be | of |

The area _____ a polygon is the number of square units inside that polygon.

_____ find the area of a triangle, multiply the base by the height, and then divide by 2. The division by 2 comes _____ the fact that a parallelogram can _____ divided _____ 2 triangles.

Since the area of a parallelogram is **base X height**, the area of a triangle should be one half the area of a parallelogram (as we saw in the previous picture). Then the formula to calculate the area of a triangle is **base X height, divided by two.**

The area of any shape is expressed in Square units. Examples: m^2, cm^2, mm^2 etc.

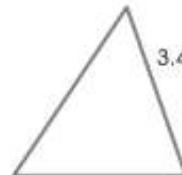### Calculate the area of these triangles.

12 mm

25 mm

A= ....

3.5 cm

3.5 cm

A= ....
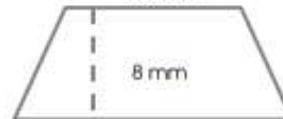
3.4 cm

7.5 cm

A= ....

Read and answer the questions.

What is the name of this figure?

Can you see how different it is from a rectangle?

How do you calculate the area of it?

12 mm

8 mm

18 mm

- Do you remember parallelograms?
The area of a parallelogram is the same as the area of a rectangle, if, and only if, the figure has the same base and height – base X height.