

Have a go at these arithmetic calculations.

1. = 5489 + 443

2. 20 000 - 1600 =

3. 600 x 4 =

4. 66.43 ÷ 10 =

Complete as many of these as you can in 3 minutes:

1

$$45.6 + 123.9 =$$

1mark

2

$$32,134 - 1,000 =$$

1mark


3. Use the symbols $<$, $>$ or $=$ to make each number sentence correct.

10% of 400 is 40

25% of 500 is 40

15% of 300 is 40

5% of 100 is 40



Lesson 4

Learning Question:

Can I find the area of a parallelogram?

Success Criteria:

- Know that the formula for finding the area of a parallelogram is base x height.
- Split the parallelogram into a rectangle and two triangles.
- Use your knowledge of finding the area of a rectangle (length x height) to find the area of the parallelogram.



Personal Target: What are you going to focus on today?

Vocabulary

Parallelogram

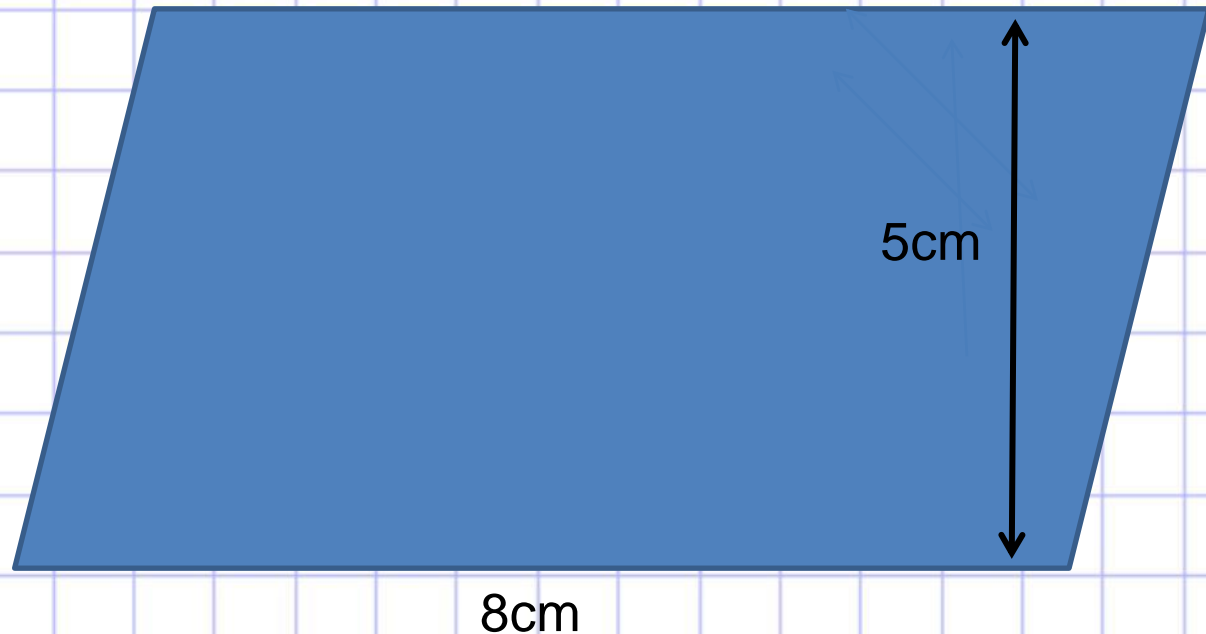
Height

Base

Area

How to find the area of a parallelogram:

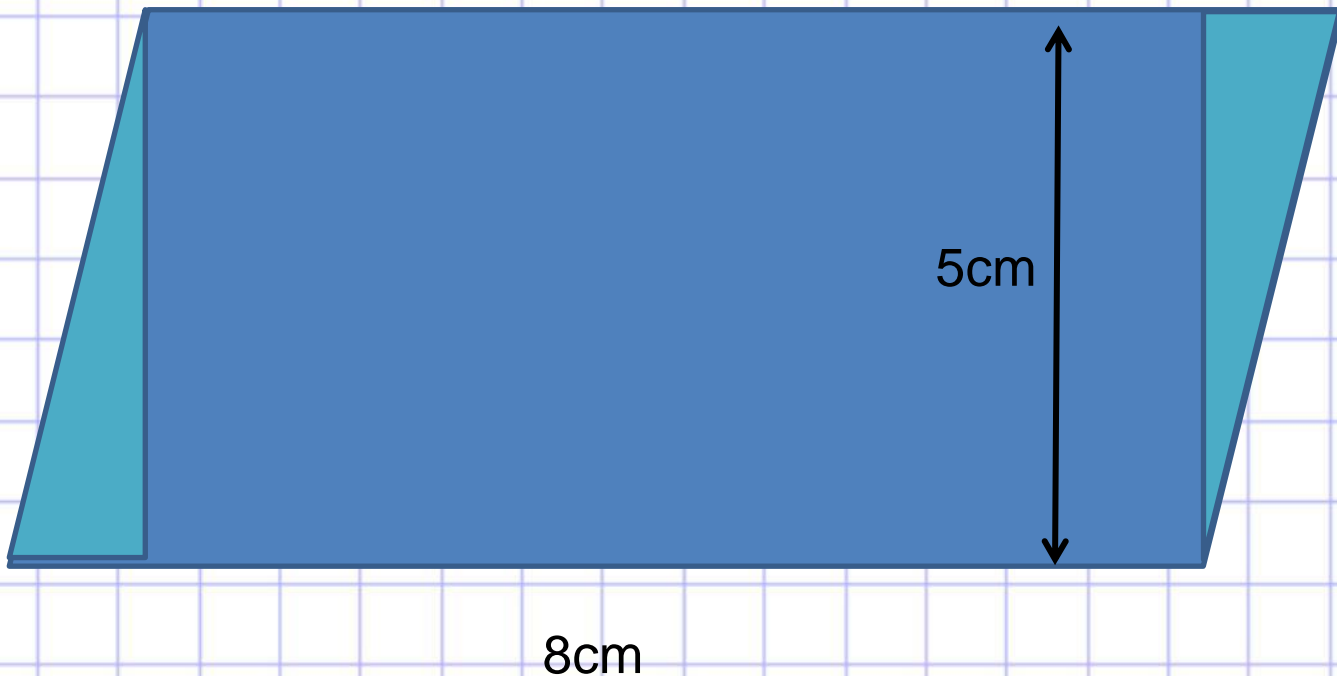
The area of a parallelogram is base x height.



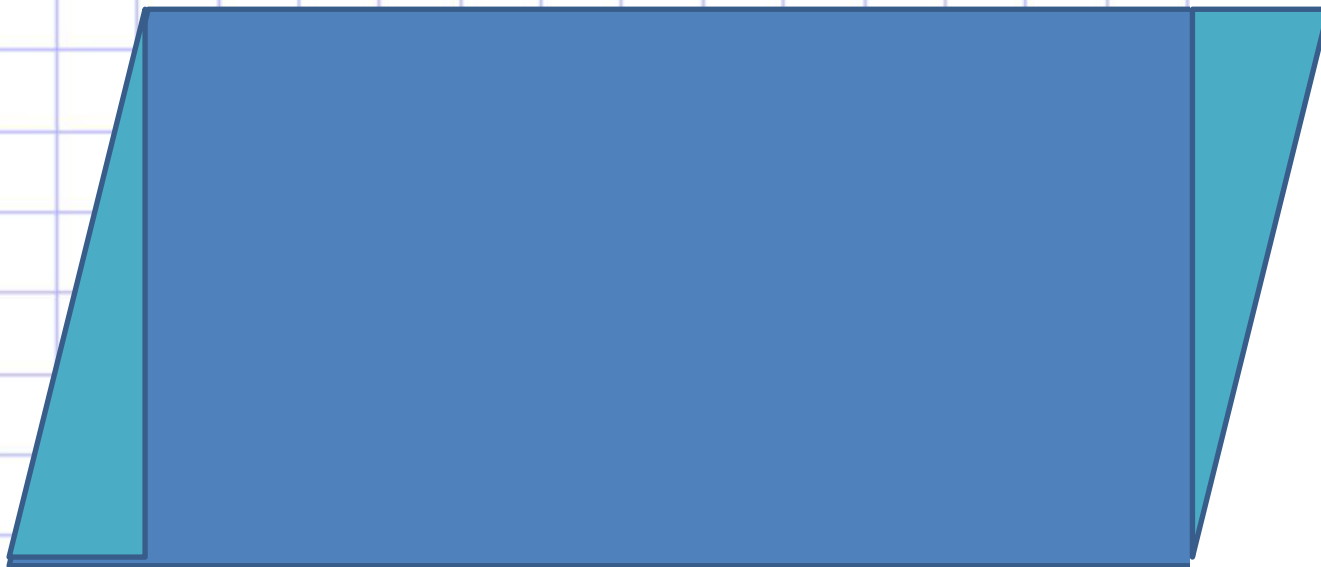
$$\text{Area} = 8 \times 5 = 40\text{cm}^2$$

And here's why:

A parallelogram can be split up into a rectangle;
and 2 triangles – each with the same area.



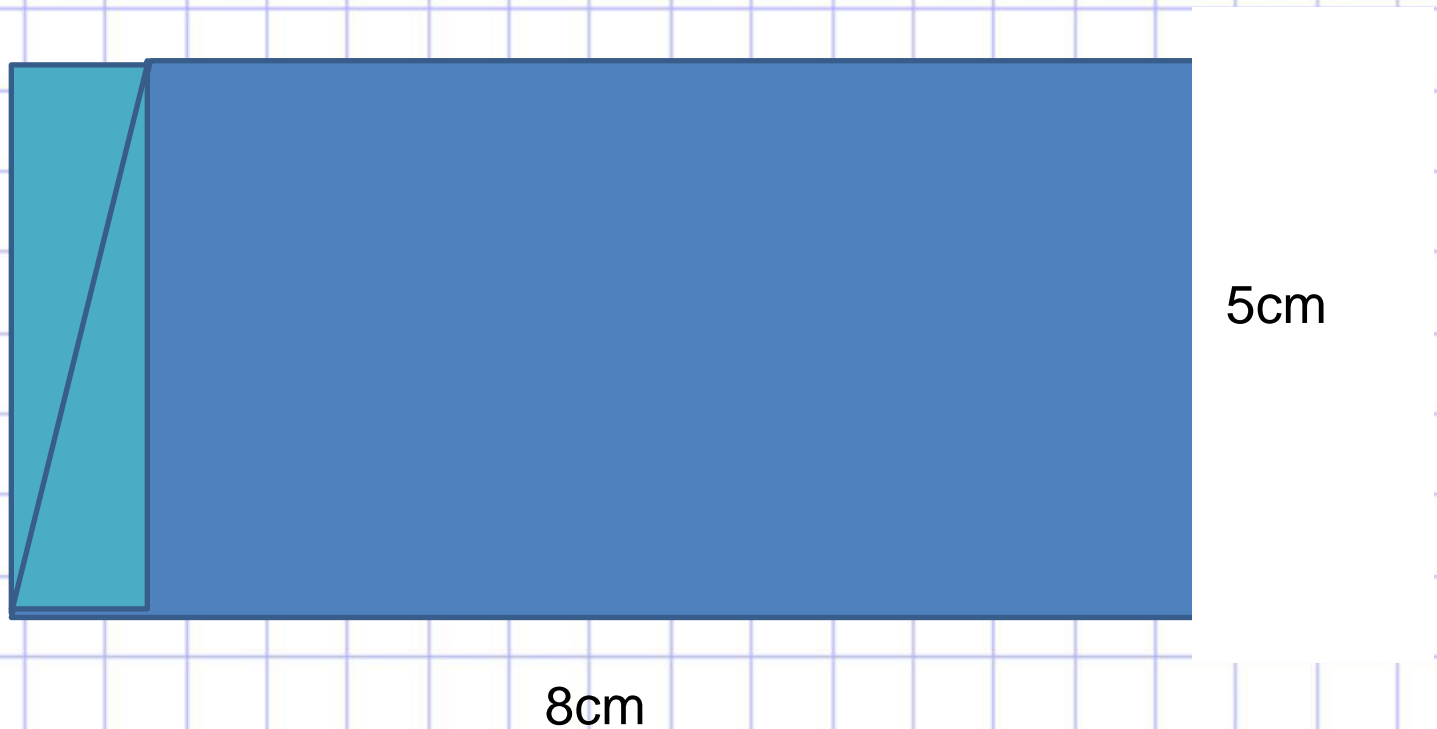
If you move one triangle to the other end, you get a rectangle.



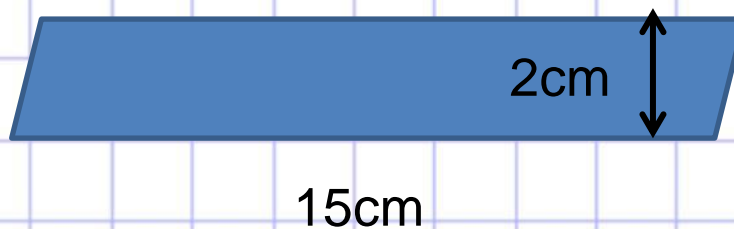
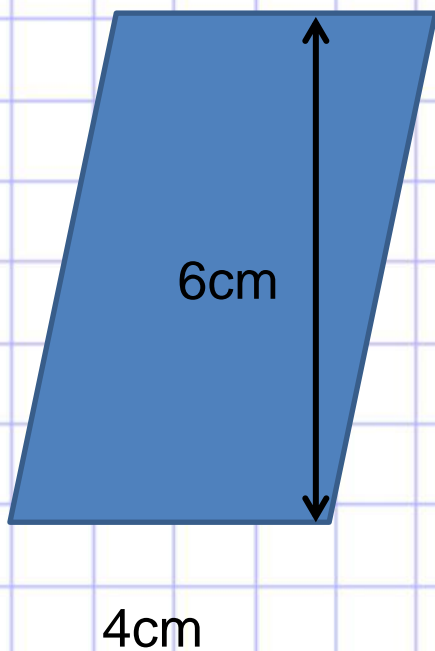
If you move one triangle to the other end, you get a rectangle.



The area of a rectangle is length \times width.
This is the same as base \times height in the original
parallelogram.

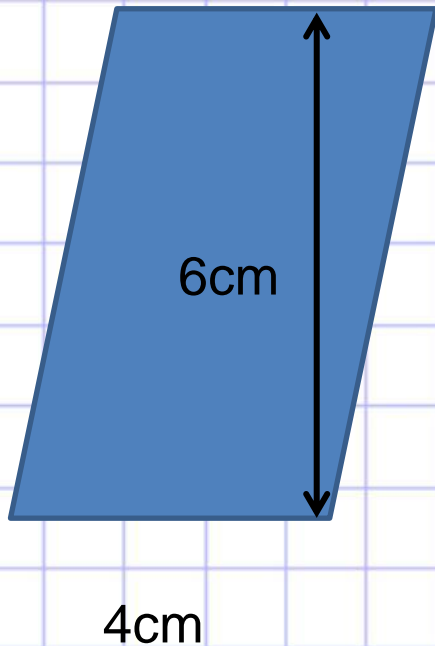


Find the area of these parallelograms:



Answers:

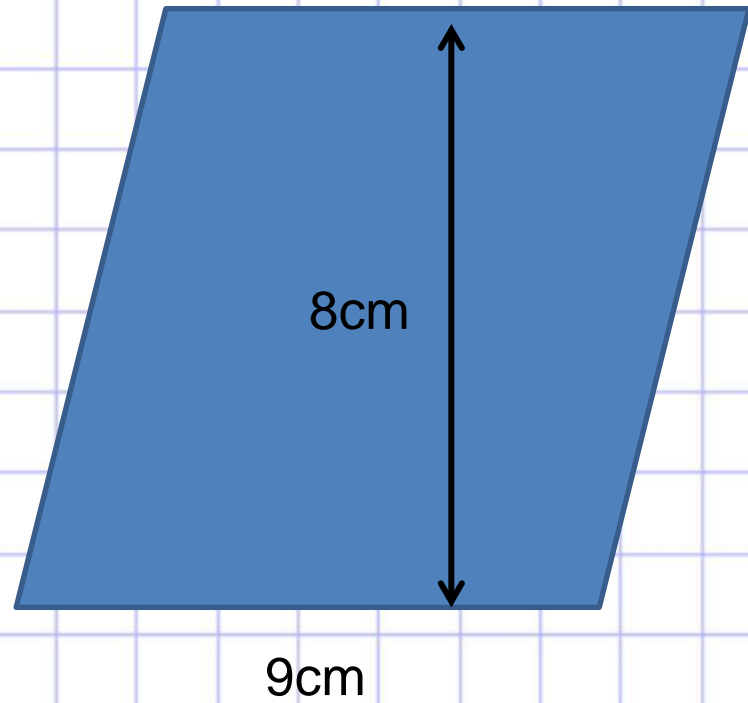
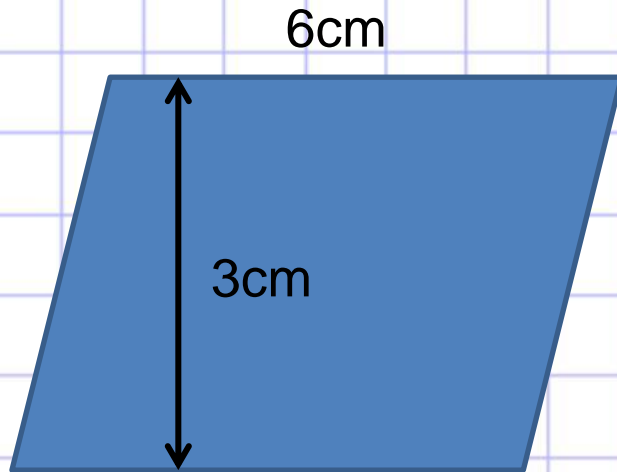
Area = base x height
Area = 4 x 6 = 24cm²



Area = base x height
Area = 15 x 2 = 30cm²



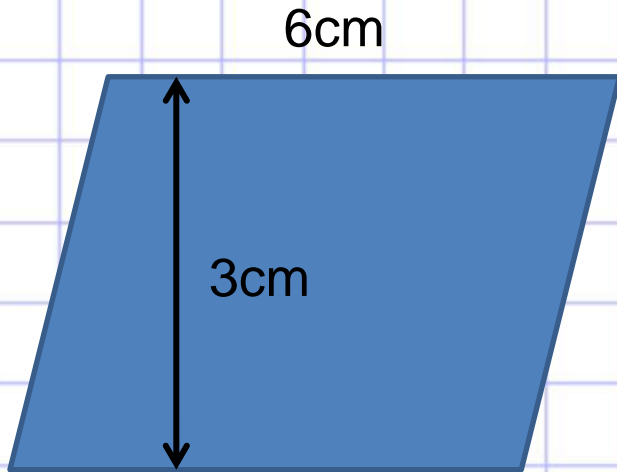
Find the area of these parallelograms:



Answers:

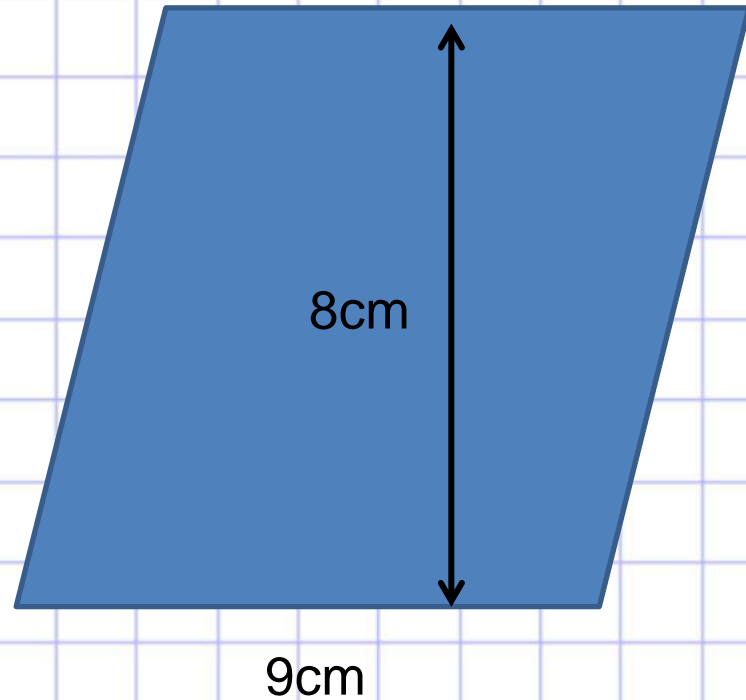
Area = base x height

$$\text{Area} = 6 \times 3 = 18\text{cm}^2$$



Area = base x height

$$\text{Area} = 9 \times 8 = 72\text{cm}^2$$



Your task:

Complete the area of a parallelogram
worksheets.

Plenary:

Calculate the area of this parallelogram.

