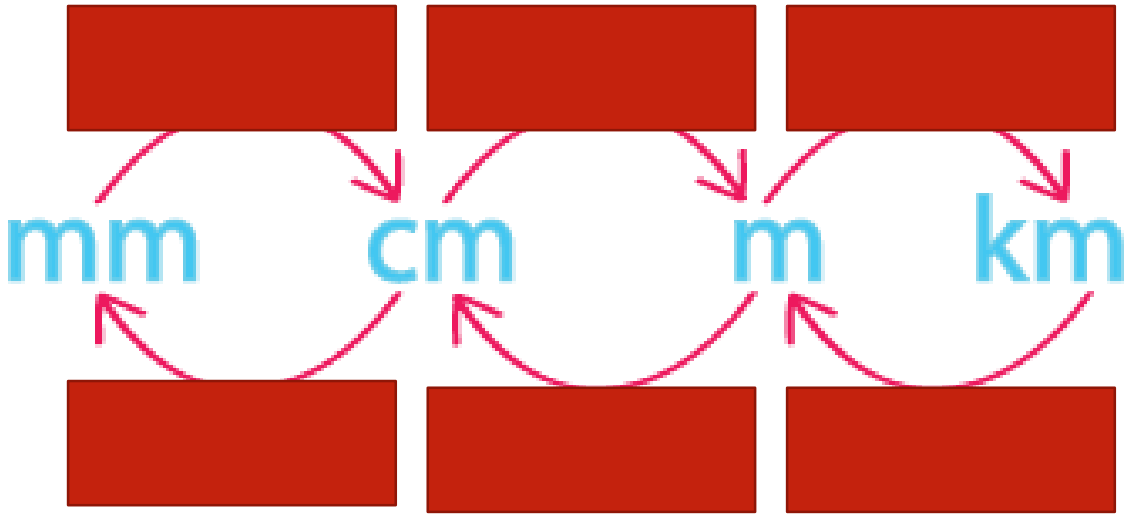
Starter

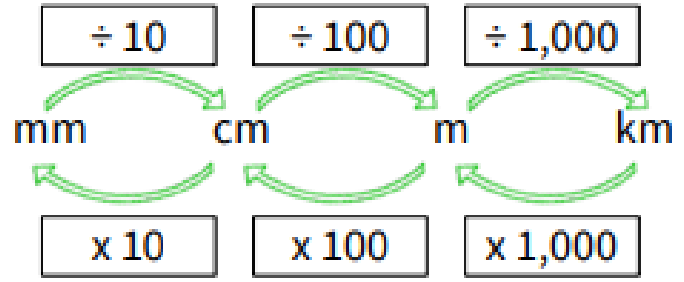
WAL: how to convert between units of distance.

- How do we convert between these units of distance?



Starter

- Complete the conversions on a whiteboard.



millimetres	centimetres	metres	kilometres
82,000			
	8,570		
		45.2	
			2.4

Starter ANSWERS

- Complete the conversions on a whiteboard.

a. 82,000mm, 8,200cm, 82m, 0.082km
b. 85,700mm, 8,570cm, 85.7m, 0.0857km
c. 45,200mm, 4,520cm, 45.2m, 0.0452km
d. 2,400,000mm, 240,000cm, 2,400m, 2.4km

Starter

- How do you think you would do this conversion?

10 miles ≈ _____ km

- Try using this to help you.

5 miles is approximately 8 kilometres. 5 miles ≈ 8km

Starter

- Complete the conversions

5 miles is approximately 8 kilometres.
5 miles ≈ 8km

a. 0.5 miles ≈ _____km

b. 100 miles ≈ _____km

c. 50 miles ≈ _____km

d. 25 miles ≈ _____km

e. _____miles ≈ 72km

f. _____ miles ≈ 120km

Starter ASNWERS

- Complete the conversions

5 miles is approximately 8 kilometres.
5 miles ≈ 8km

a. 0.5 miles ≈ 0.8km
b. 100 miles ≈ 160km
c. 50 miles ≈ 80km
d. 25 miles ≈ 40km
e. 45 miles ≈ 72km
f. 75 miles ≈ 120km

Conversion Problems

a. The speed limit in the UK on a motorway is 70 miles per hour. In Germany the suggested speed limit on the autobahn is 130 kilometres per hour. Which country has the highest speed limit?

a. 70 miles per hour = 112km per hour. Germany has the highest speed limit.

Conversion Problems

3.

Pizza recipe - For 4

300g flour
1 tsp yeast (6g)
1 tsp salt (6g)
1 tbsp olive oil (17g)
210g tomato paste
125g mozzarella
105g chopped tomatoes

a. Adjust the recipe so it is for 20 people.

_____g flour _____g yeast

_____g salt _____g olive oil

_____g tomato paste _____g mozzarella

_____g chopped tomatoes

b. What is the total mass of the ingredients for 4 people?

c. What is the total mass of the ingredients for 20 people?

d. I have 2.1kg of flour and lots of the other ingredients. What is the greatest number of people I could make pizzas for?

a. All ingredients should be multiplied by 5.
b. 1,500g or 1.5kg flour, 30g yeast, 30g salt, 85g olive oil, 1,050g or 1.05kg tomato paste, 625g mozzarella, 525g chopped tomatoes
c. 769g
d. 3,845g or 3.845kg
e. I could make 7 pizzas which would be enough for 28 people. (2.1kg = 2,100g. 2,100g ÷ 300g = 7)

Conversion Problems

- Complete the first three pages of your test base questions.
- You can discuss them with a partner.

Perimeter and Area

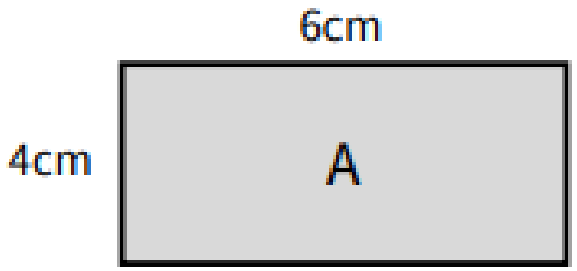
WAL: how to calculate the perimeter and area of compound shapes.

What is perimeter?

What is the formula for calculating the perimeter of a rectangle?

Use the formula to calculate the perimeter of this shape.

a.



Perimeter and Area

WAL: how to calculate the perimeter and area of compound shapes.

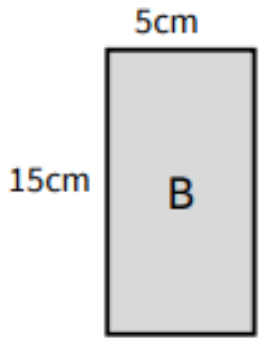
What is area?

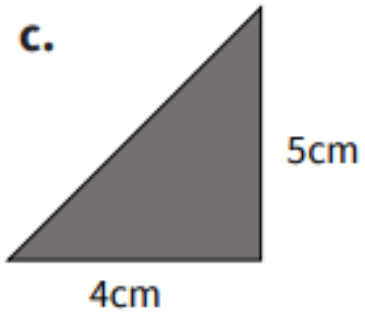
What is the formula for calculating the area of a rectangle?

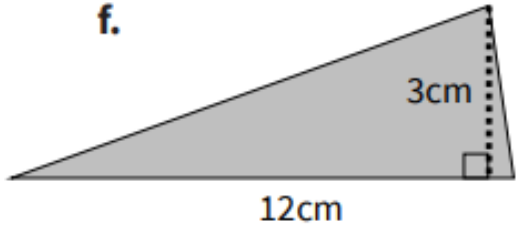
What is the formula for calculating the area of a triangle?

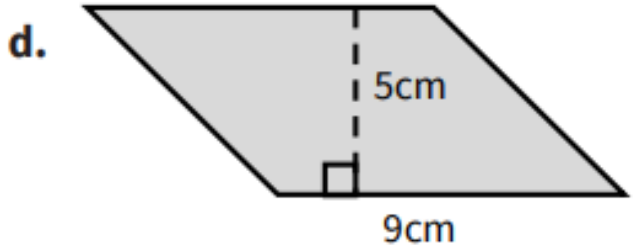
What is the formula for calculating the area of a parallelogram?

Use the formula to calculate the area of these shapes.



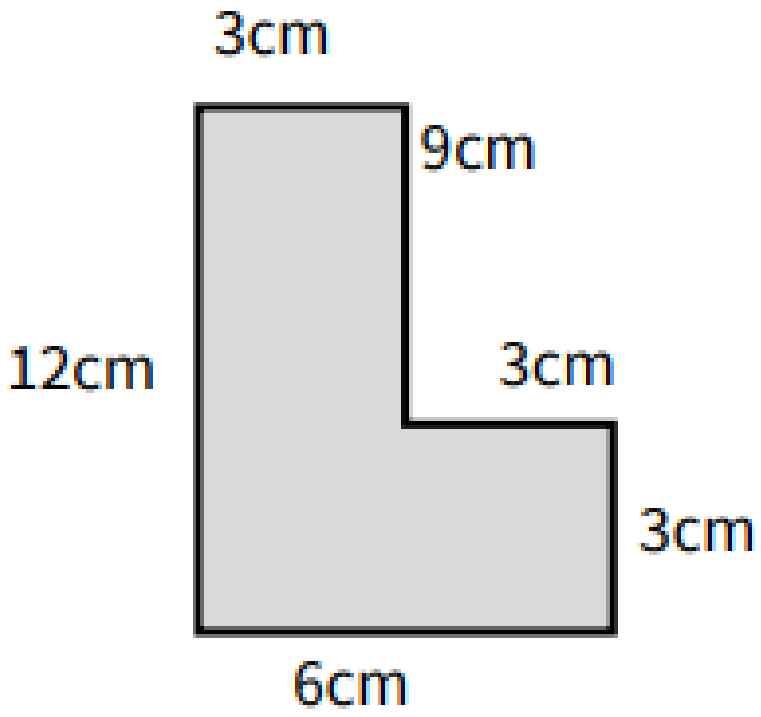






Perimeter and Area

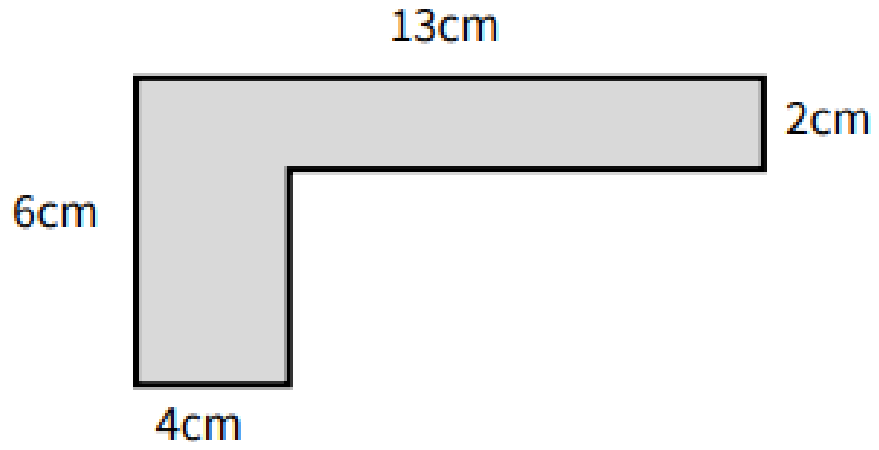
- Now found the perimeter and area of this shape.



d. Area: 3cm x 9cm + 6cm x 3cm = 45cm^2,
Perimeter: 12cm + 3cm + 9cm + 3cm + 3cm + 6cm = 36cm

Perimeter and Area

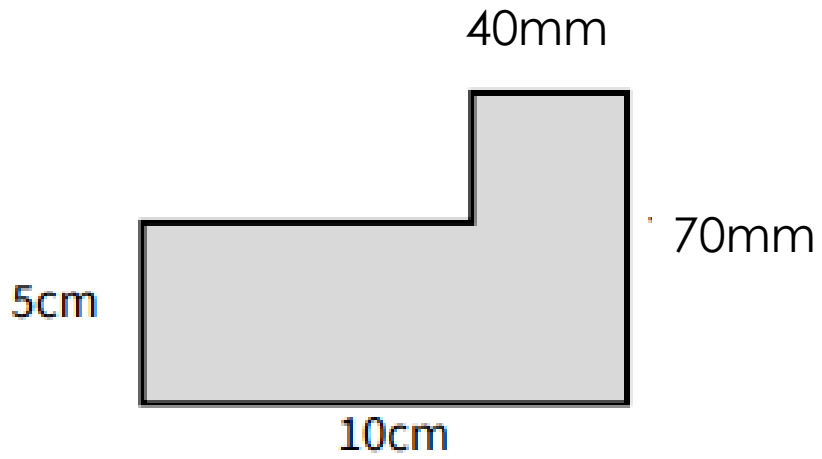
- Now found the perimeter and area of this shape.



f. Area: 4cm x 4cm + 13cm x 2cm = 42cm^2,
Perimeter: 6cm + 13cm + 2cm + 9cm + 4cm + 4cm = 38cm

Perimeter and Area

- Now found the perimeter and area of this shape.



e. Area: 4cm x 2cm + 10cm x 5cm = 58cm², Perimeter: 5cm + 6cm + 2cm + 4cm + 7cm + 10cm = 34cm

Perimeter and Area

- Complete the rest of your test base questions.
- You can discuss them with a partner.