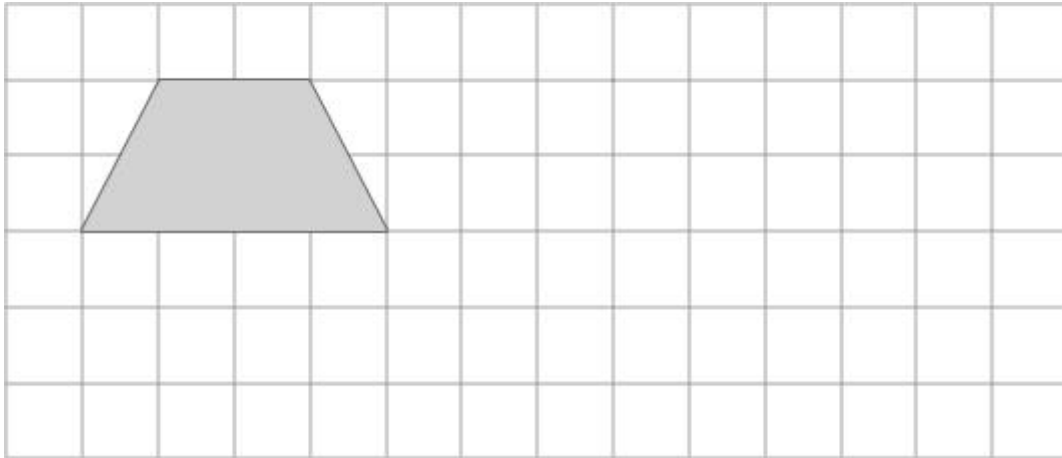


LO Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes.



Here is a quadrilateral drawn on a square grid.



On the same grid, draw a **different** quadrilateral that has the **same** area.



A rectangle has an area of 36 cm²

How long could the sides of the rectangle be?

Give three different examples, using whole numbers.

..... cm and cm

..... cm and cm

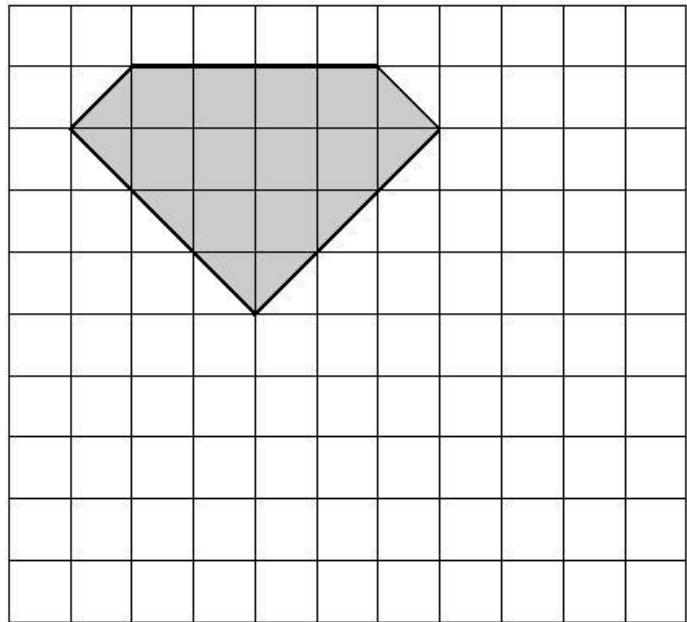
..... cm and cm

LO Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes.



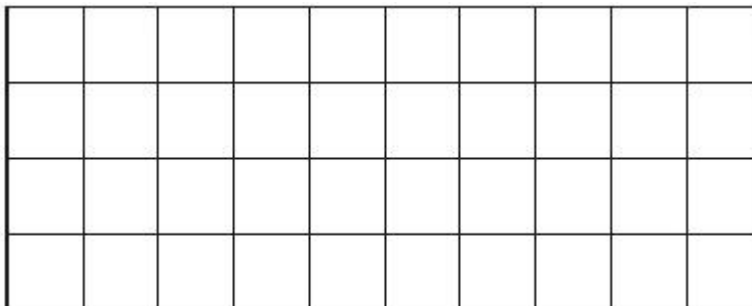
On the grid, draw a **rectangle** which has the **same area** as this shaded pentagon.

Use a ruler.

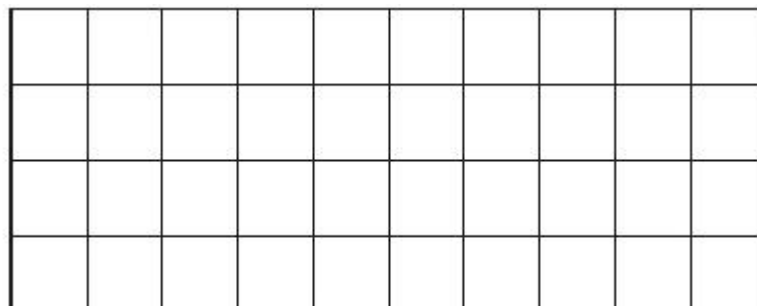


Here is a centimetre square grid.

On the grid draw a **shape** which has an **area** of **10** square centimetres.



On the grid below draw a **rectangle** which has a **perimeter** of **10** centimetres.

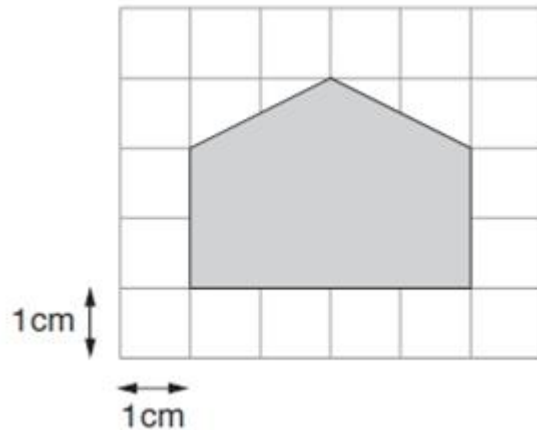
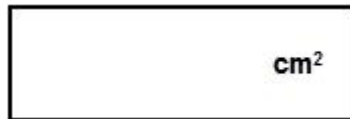


LO Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes.



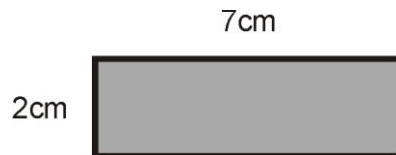
Here is a shaded shape on a 1 cm square grid.

What is the **area** of the shaded shape?



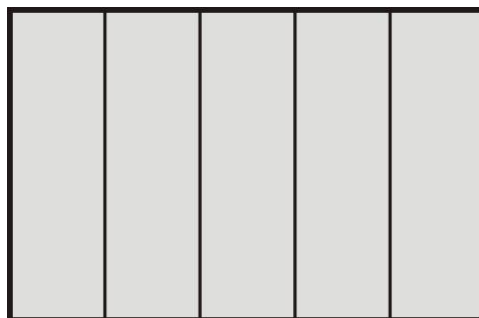
Lara has some identical rectangles.

They are 7 centimetres long and 2 centimetres wide.

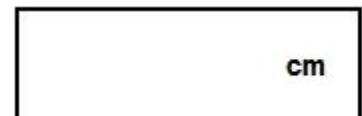


Not
actual size

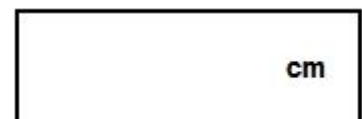
She uses **five** of her rectangles to make the large rectangle below.



What is the **perimeter** of the large rectangle?



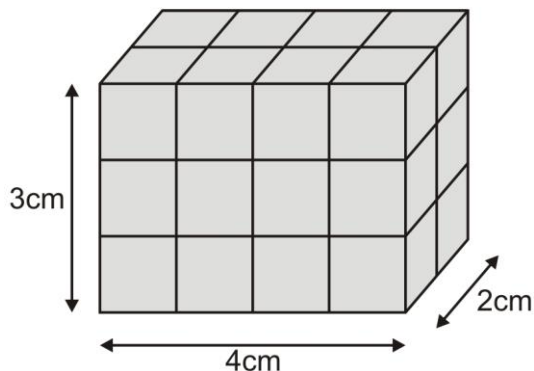
What is the **area** of the large rectangle?



LO Estimate (and calculate) volume (for example, using 1cm^3 blocks to build cuboids (including cubes).



This cuboid is made from centimetre cubes.

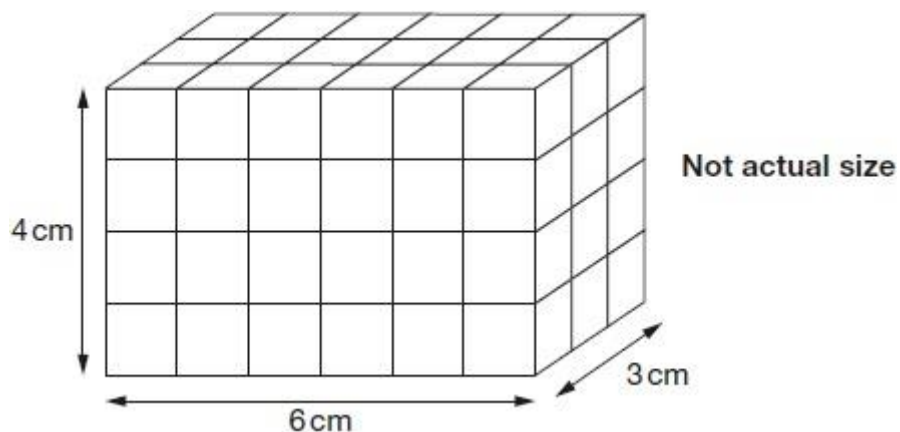


It is 4 centimetres by 3 centimetres by 2 centimetres.

What is the **volume** of the cuboid?



Amina made this cuboid using centimetre cubes.



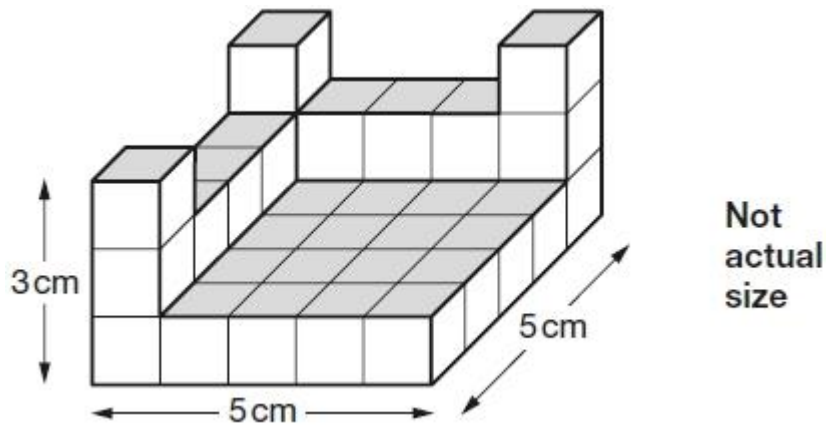
Stefan makes a cuboid that is 5 cm longer, 5 cm taller and 5 cm wider than Amina's cuboid.

What is the **difference** between the number of cubes in Amina's and Stefan's cuboids?

LO Estimate (and calculate) volume (for example, using 1cm^3 blocks to build cuboids (including cubes).



This shape is made of wooden centimetre cubes.

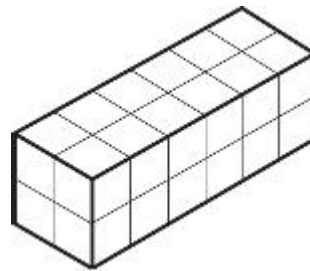


How many **more** centimetre cubes are needed to make it into a solid cuboid 3 cm tall, 5 cm long and 5 cm wide?



Cleo has **24** centimetre cubes.

She uses all 24 cubes to make a cuboid with dimensions **6 cm, 2 cm and 2 cm**.



Write the dimensions of a **different** cuboid she can make using all 24 cubes.

_____ cm, _____ cm and _____ cm

Jon has **20** centimetre cubes.



He wants to make a cube with edges that are **3 cm** long.

How many **more** centimetre cubes does he need?

more