

HELLO!

Today we are going to revise measurement 2
Perimeter, area and volume

Arithmetic Warm Up

Short and long division

Complete using short division

1. $2342 \div 3 =$

Complete using long division

2. $14 \overline{) 3018} =$

$$\begin{array}{r} 14 \overline{) 3018} \\ \underline{2800} \end{array}$$

Revision on measurement

Today we are going to revise how to



measure and calculate

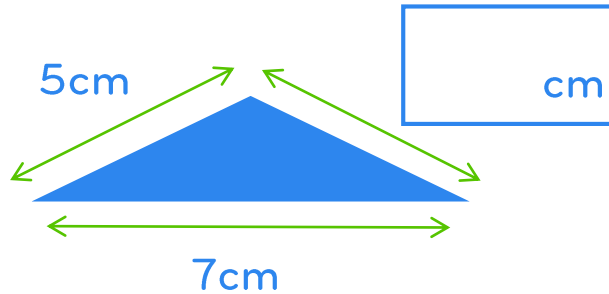
- perimeter
- area
- volume

Revision: Perimeter

Perimeter is the length around a shape.

a) This is an Isosceles triangle.

What is the length of the missing side?



What is the perimeter?

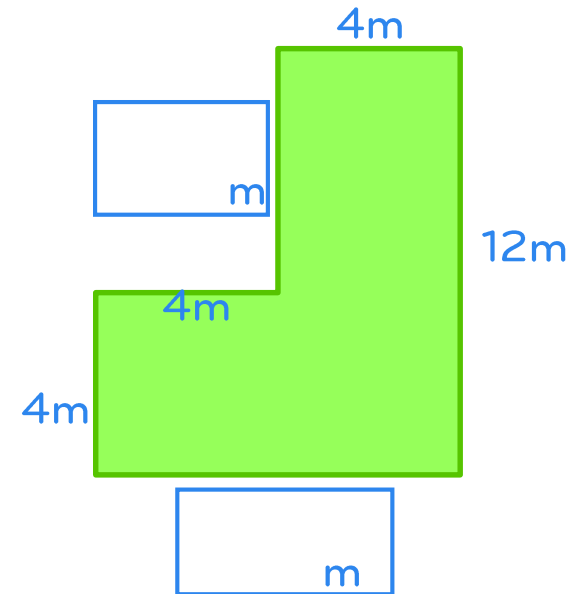
Perimeter =

mm

cm

b) This is a compound shape.

What are the length of the missing sides?



Perimeter =

m



THIRD SPACE
LEARNING

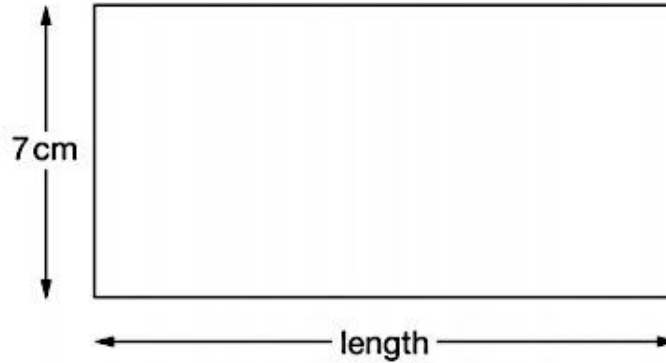


Complete

Question 1



What do you
notice?



The perimeter of this rectangle is 50 centimetres.

Calculate the length of the rectangle.



Can you
show your
working out?

Show
your **working**.
You may get
a mark.

cm

What do you
know?

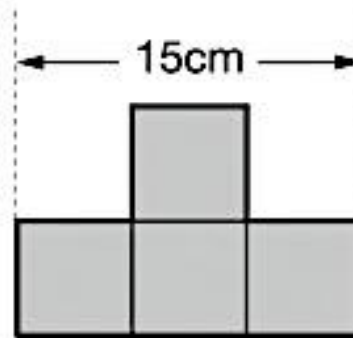
How could
you extend
the question?



Question 2

What do you notice?

This shape is made from 4 shaded squares.



**Not
actual size**

What do you know?

Can you show your working out?

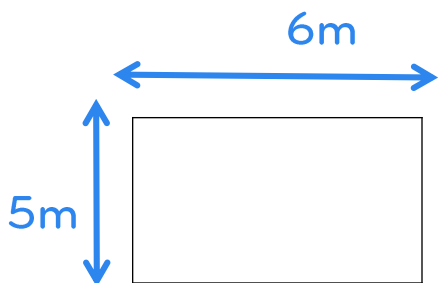
Calculate the perimeter of the shape.

How could you extend the question?

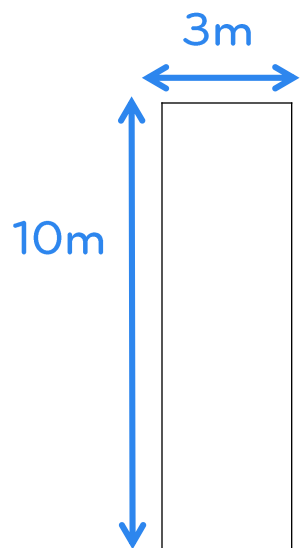
Revision: Area

Area is the amount of space inside a 2D shape

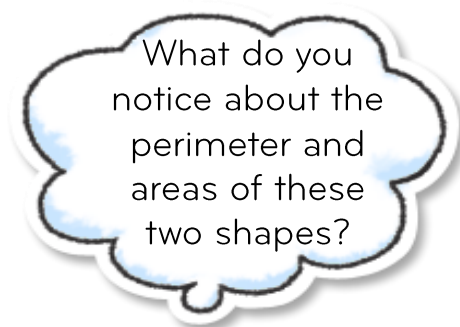
1. Are the areas of these rectangles equal? How do you know?



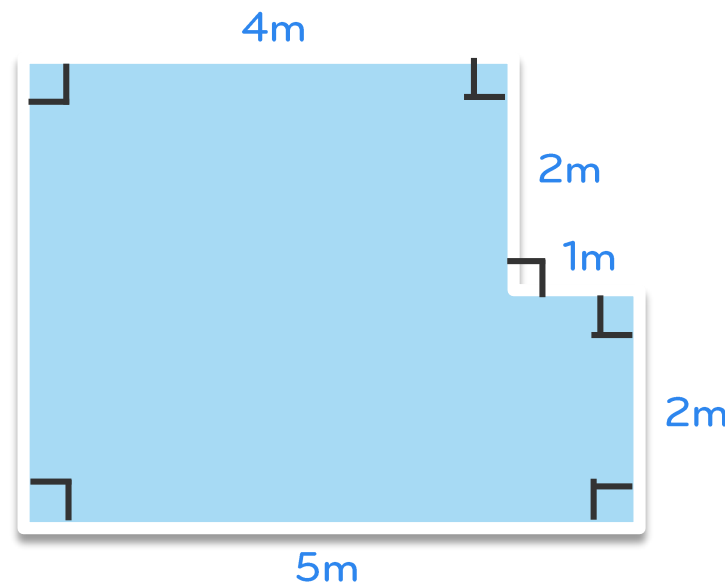
_____m²



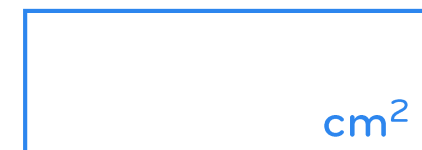
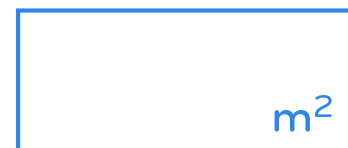
_____m²



2. What is the area of this compound shape?



Area =





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Complete

Question 3

8




What do you
notice?

The area of a rugby pitch is 6,108 square metres.


A football pitch measures 112 metres long and 82 metres wide.

How much larger is the area of the football pitch than the area of the rugby pitch?

What do you
know? 



Can you
show your
working out?

How could
you extend
the question? 

square metres



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Complete

Question 4

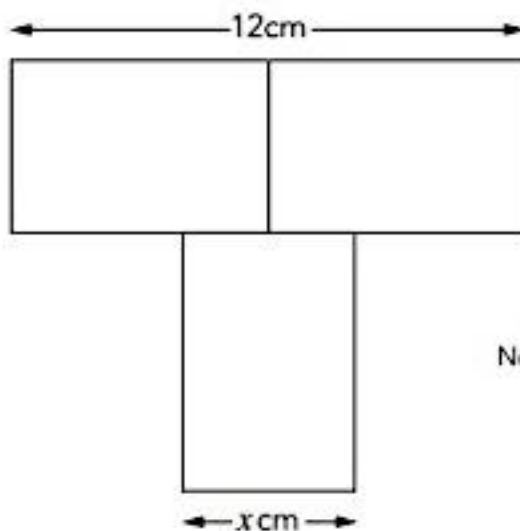
9



What do you
notice?

Here is a T-shape made from 3 identical rectangles.

The area of the T-shape is 90cm^2



Work out the value of x .

What do you
know?



Can you
show your
working out?

How could
you extend
the question?



Question 5

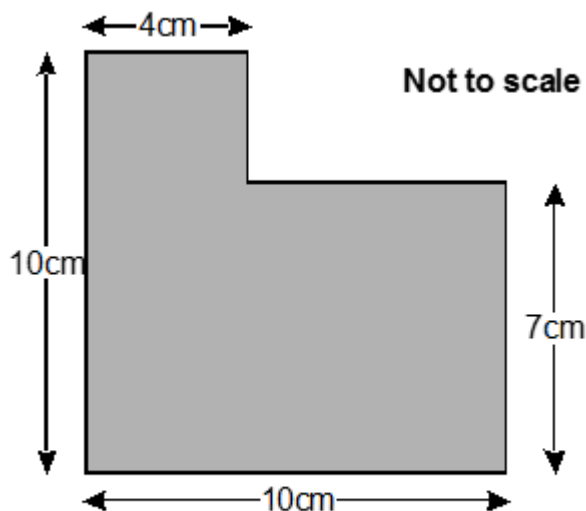
THIRD SPACE
LEARNING



Complete



What do you notice?



What do you know?



Can you show your working out?

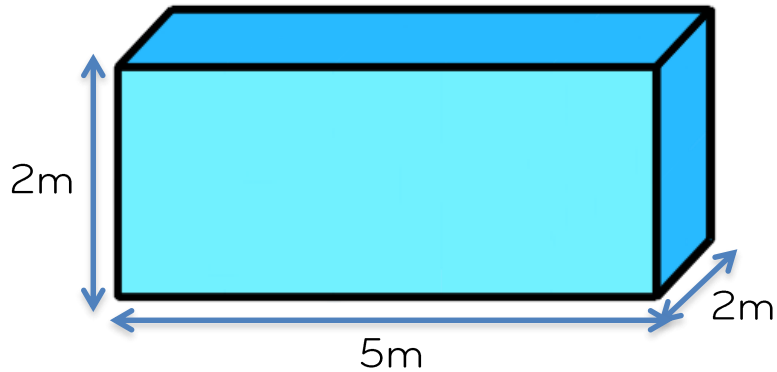
What is the **perimeter** and **area** of the above shape?

How could you extend the question?

Revision: Volume

Volume is the amount of space inside a 3D shape

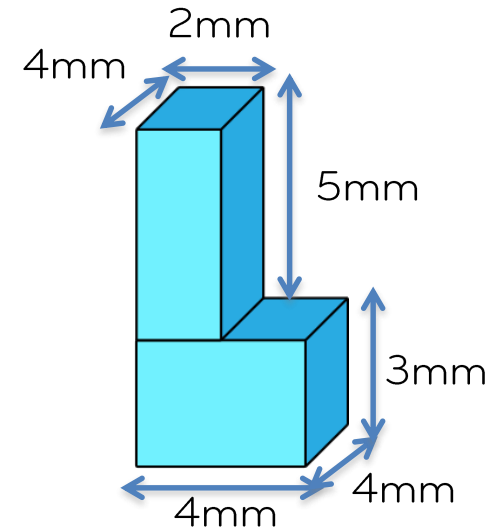
a) What is the volume of this shape?



Volume=

m^3

b) This is a compound shape. What is the volume of this shape?



Volume=

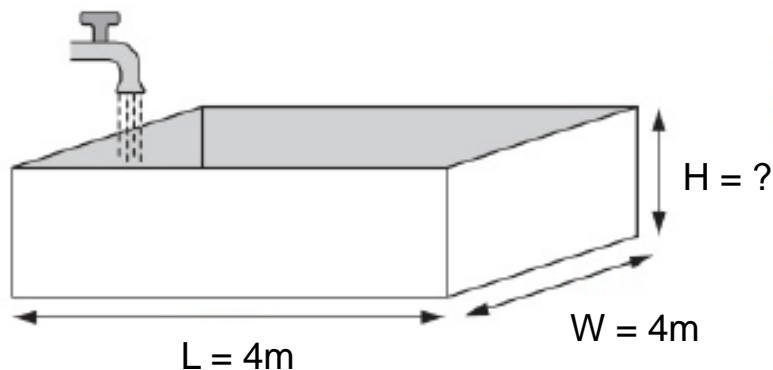
mm^3



Question 6



What do you
notice?



What do you
know?



Can you
show your
working out?

A tank is being filled with water which has a base of 4m by 4m.

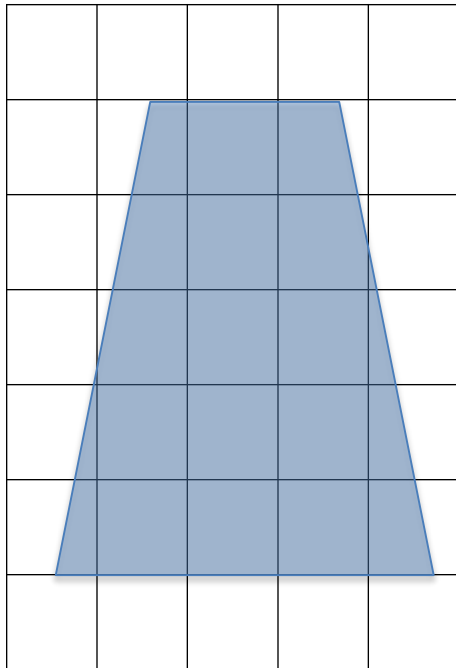
If the volume is 32m^3 , what is the height (H) of the tank?

m

How could
you extend
the question?

Areas and volumes of irregular shapes

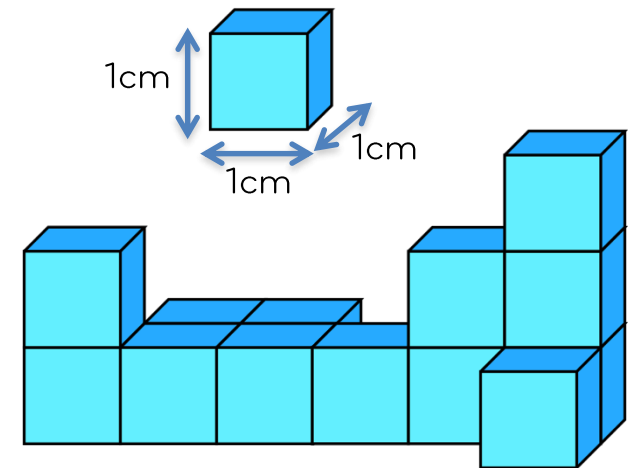
1. Explain how you would estimate this area. Each square represents 1 cm^2 .



Area =

 cm^2
 mm^2

2. What is the volume of the shape below?

 cm^3


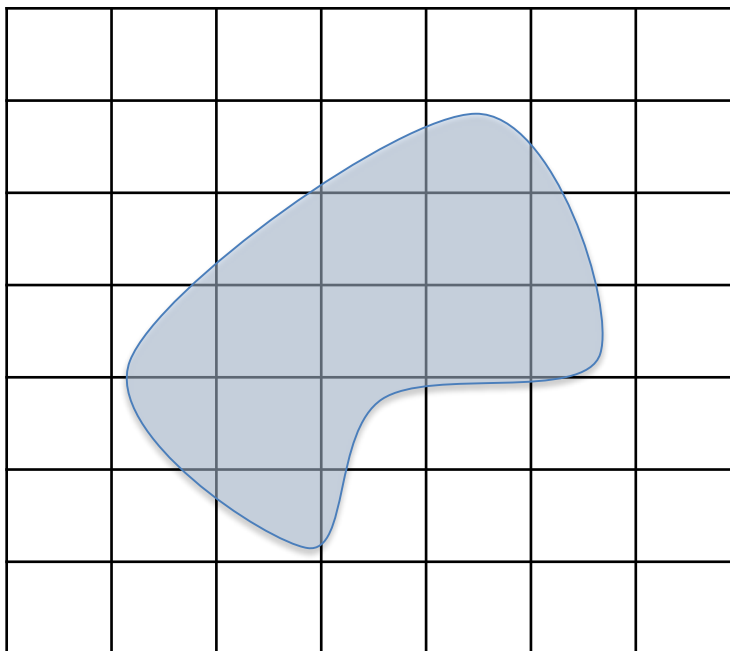


Question 7



What do you notice?

Here is a plan of a garden pond. Each square represents 1m^2 . Estimate the area of this garden pond.



Can you show your working out?

What do you know?

How could you extend the question?

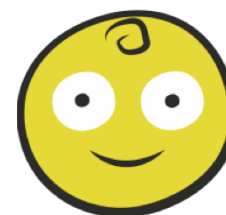
m^2

Let's review:



I can measure and calculate perimeter, area and volume

Draw a circle around the smiley face to show how you feel about what we've just been doing.



Is there something you would like to go over?