

Year 3 Maths WB 20.04.20

Measurement

Activity 1 Adding Length:

Add the following lengths:

1. $6\text{m} + 3\text{m} =$

2. $40\text{cm} + 20\text{ cm} =$

3. $120\text{cm} + 65\text{ cm} =$

4. A shop makes a display by putting a vase on a stand. The vase is 50cm tall and the stand is 1m 20 cm. What is the total height?

5.

Display	Stand Height	Vase Height	Total Height
A	40 cm	30 cm	
B	80 cm	30 cm	
C	1 m 20 cm	60 cm	
D	1 m 30 cm	70 cm	

Complete the table.

6. Complete the number sentences:

$75\text{cm} + 25\text{cm} =$

$27\text{mm} + \underline{\quad} \text{mm} = 3\text{cm}$

$6\text{cm} + 70\text{mm} = \quad \text{cm}$

$2\text{m } 25\text{cm} + \underline{\quad\quad} \text{cm} = 3\text{m}$

Activity 2: Subtracting length

1. Answer the following:

$$3\text{m } 50\text{cm} - 1\text{m} =$$

$$1\text{m } 5\text{cm} - 95\text{cm} =$$

$$3\text{m } 50\text{cm} - 2\text{m} =$$

$$65\text{mm} - 3\text{cm} =$$

2. Sophia puts a flower in a vase. The vase is 1m 20cm high and the flower is 1m 40cm high. How far does the flower stick out above the vase?

3. Answer the following:

$$1\text{m } 10\text{cm} - 50\text{cm} =$$

$$350\text{cm} - \underline{\hspace{2cm}} = 2\text{m } 10\text{ cm}$$

$$65\text{mm} - 2\text{cm} =$$

$$2\text{cm } 5\text{ mm} - 8\text{mm} =$$

$$120\text{mm} - \underline{\hspace{2cm}} = 6\text{cm}$$

Activity 3: Measuring the perimeter

The perimeter is the distance around the sides of a shape. You need to know how long each side of the shape is before you can calculate the perimeter.

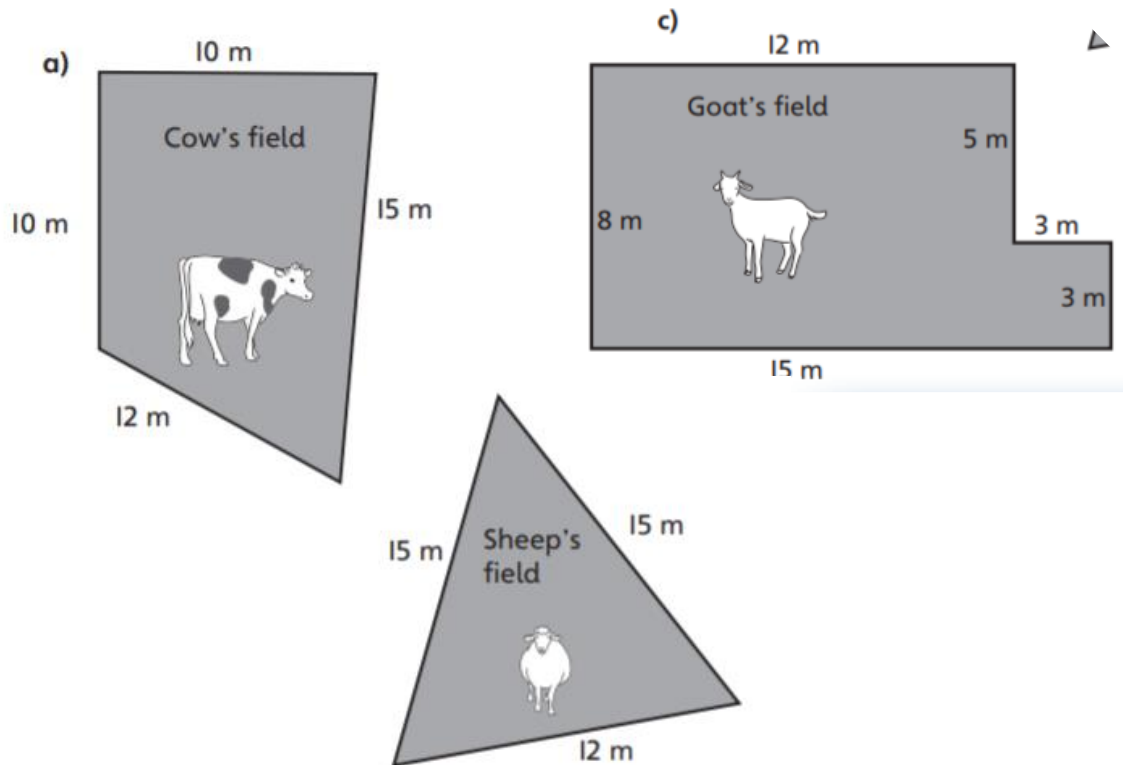
https://www.youtube.com/watch?v=n5ULJ_kcFzI

<https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zsr4k7h>

1. Draw a square, rectangle and a triangle. Can you find the perimeter of each shape?
2. Can you now order the shapes smallest to largest based on their perimeters?
3. Can you draw a shape with a perimeter of 8cm?
4. Can you measure the perimeter of items in your house and record these. You may like to measure your kitchen table, your TV or a door!

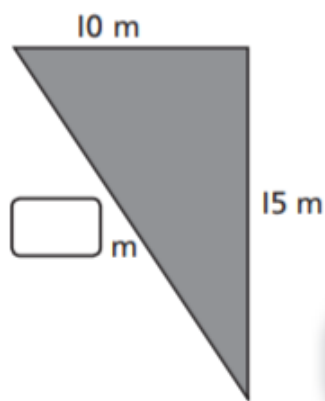
Activity 4: Measuring perimeter

1. Jen needs to put a fence around the perimeter of her fields. Can you work out the perimeter of each field?

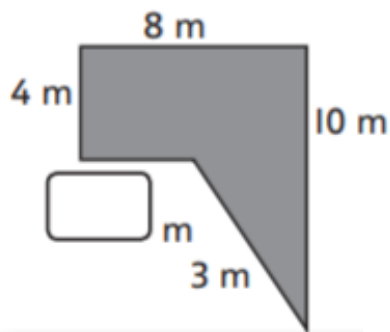


2. Complete the missing side lengths of the fields.

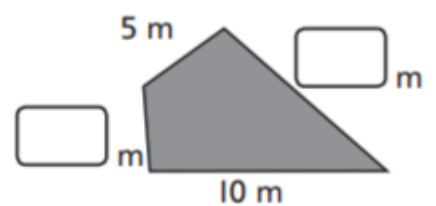
Field A:
Perimeter: 37 m



Field B:
Perimeter: 30 m



Field C:
Perimeter: 26 m



3. Match the items to the most likely perimeters

A piece of A4 paper	420m
An interactive whiteboard	526cm
A football field	380mm
A £5 note	101cm

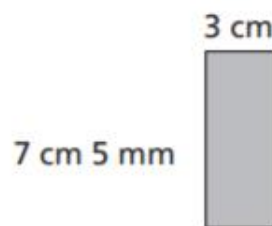
Activity 5: Problem solving- Measurement

1. Luis swims 3 lengths of 25 meters each. How far does he swim?
 $25 \times \underline{\quad} =$
2. Emma cuts 90cm ribbon into 5 equal pieces. How long is each piece?
 $\underline{\quad} \div \underline{\quad} =$
3. A school field is a square. Each side is 40m long. How much fencing is needed to go the whole way round?
 $\underline{\quad} \times \underline{\quad} =$
4. Betty has 60cm of ribbon. She uses 24cm then 95mm. How much ribbon is left?
 $60\text{cm} = \underline{\quad}\text{mm}$
 $24\text{cm} = \underline{\quad}\text{mm}$
 $60\text{mm} - \underline{\quad}\text{mm} - \underline{\quad}\text{mm} =$
5. A tower has 6 storeys of 4m 50cm and a roof of 3m 27cm. What is the total height?
 $6 \times \underline{\quad} =$
 $\underline{\quad} + 3\text{m } 27\text{cm} =$

Challenge

Look at the measurements of this rectangle.

The rectangle has been used twice to make this shape:



What is the perimeter of the shape?

The perimeter is cm and mm.

What perimeters could you make with three of these rectangles?