

1/3/21 Lesson 1: Measuring the total length around a shape.

In Focus



Ruby uses yarn to outline each shape.
How can she find the length of yarn she needs?

Download the correctly sized in focus task off the virtual school as this will have the shapes on that you need to measure.

You can explore this task if you have wool or string at home to use, if you don't not to worry just skip this part and continue with the lesson.

Let's Learn

- 1 Ruby needs to find the total length around each shape.



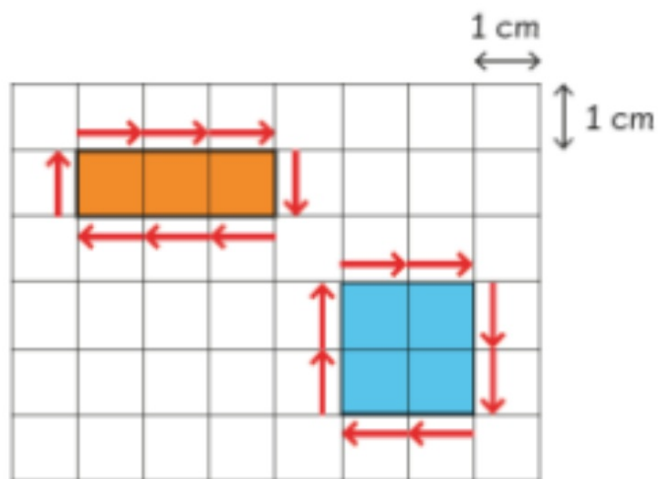
She uses yarn and a ruler to find out.



Watch 'Video 1' to explore this with me.

2

The rectangle and the square are on a grid.
What is the total length around each shape?



The total length around
the rectangle is 8 cm.

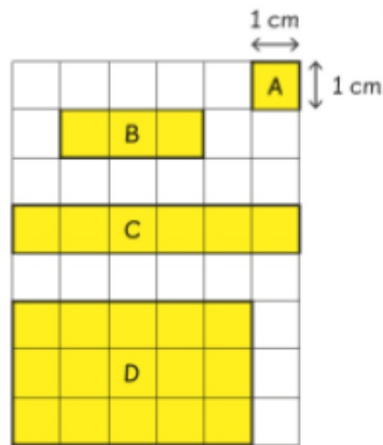
The total length around
the square is 8 cm.



Watch 'video 2' to explore this with me.

Guided Practice

Find the total length around each shape.



- (a) Total length around A = cm
- (b) Total length around B = cm
- (c) Total length around C = cm
- (d) Total length around D = cm

Top tip: Remember that every square on the graph paper is 1 cm. Using a highlighter or coloured felt tip might help you.



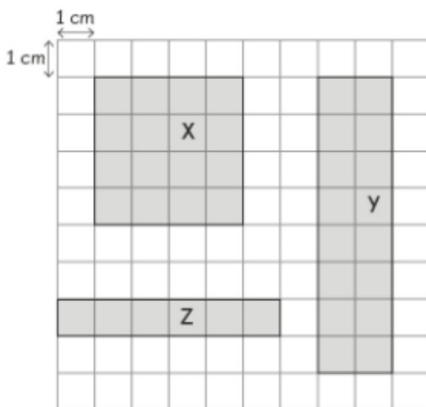
If you are struggling at this point watch the extra support video for some more help.

Complete the worksheets.
If you get stuck watch the
extra support video again.

Worksheet 1

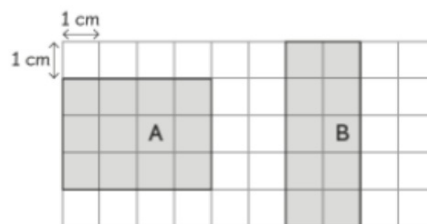
Measuring Total Length Around a Shape

1 Find the total length around each shape.



- (a) Total length around shape X = cm
- (b) Total length around shape Y = cm
- (c) Total length around shape Z = cm

2 Compare the total length around each shape.



- (a) Total length around shape A = cm
- (b) Total length around shape B = cm
- (c) Total length around shape A and shape B = cm
- (d) Circle the correct answer.
The total length around shape A is
(smaller than / equal to / greater than)
the total length around shape B.

You can download these
on the virtual school.



Challenge



Using the graph paper (you can download this off the virtual school) complete the following two tasks:

1. Draw a shape that has a total length of 12 cm.
2 of the sides must each be 4cm long.
2. Draw a shape with a total length of 20cm. All of the sides must be the same length!