

Mathematical shapes

The items stocked at DIY 4 All come in many different shapes and sizes. Some are easy to pack and stack and others are not so easy.



Talk about it

Look around the room you are in. Describe the shapes you see.

Which shapes have **right angles**?

Which shapes have **lines of symmetry**?

Look at tables, windows, shelves, ceiling or carpet tiles, books and paper.

Open a book and look at the different **angles** you can make between the pages.

Compare the **side lengths** of different shapes.

Activity 17

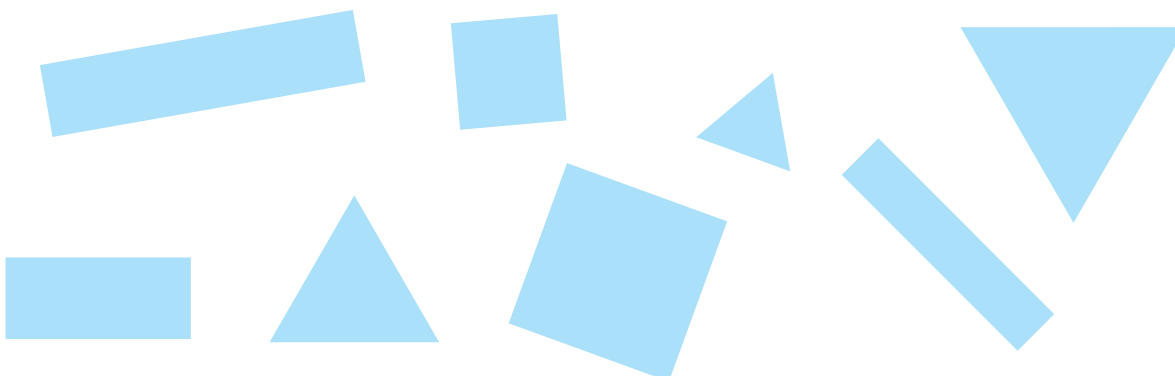
In your group, look at the picture of the *DIY 4 All* items at the top of the page.

List the shapes with right angles and those without.

Shapes with right angles	Shapes without right angles

Activity 18

Draw the lines of symmetry on these shapes.



Displays

When there is a special promotion at DIY 4 All, we make a display.



Activity 19

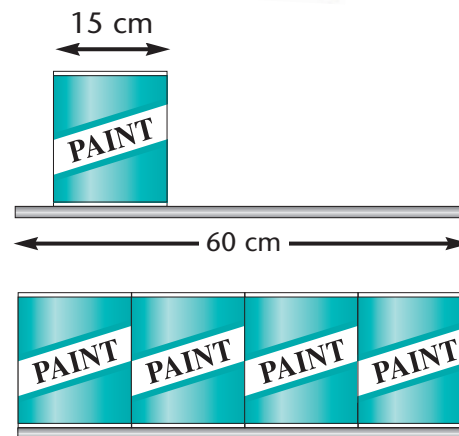
Think about the shelves at *DIY 4 All*. Each shelf in the display area of the shop is 60 cm wide.

The tins of paint are 15 cm across.

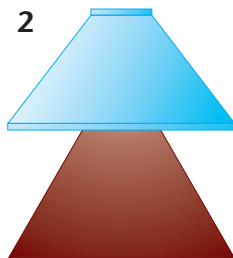
$$4 \times 15 \text{ cm} = 60 \text{ cm}$$

So, four tins of paint would fit on the shelf.

Calculate how many of each item would fit on a 60 cm shelf. Make a sketch to show it. (Use separate paper.)



20 cm



30 cm



10 cm

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