

Follow That Thread

- You need**
- a ruler
 - coloured pencils
 - scissors
 - string or wool
 - a thick cardboard square 7 cm x 7 cm
 - a photocopy of the diagrams in Activity One

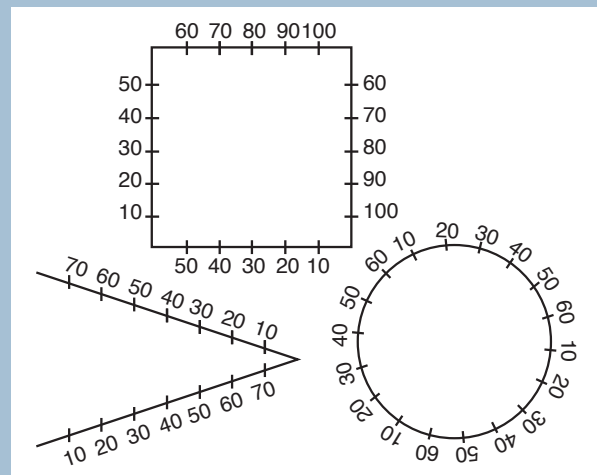
Activity One

On the photocopy of the square and > shape, draw lines to join the 10 to the 10, the 20 to the 20, the 30 to the 30, and so on.

On the photocopy of the circle, join all three 10s, 20s, 30s, and so on.

Use a different-coloured pencil for each set of numbers.

What patterns do you notice?



Activity Two

Mark six 1-centimetre intervals along the base and one side of your cardboard square.

Make a small cut (no longer than 1 centimetre) at each of these 1-centimetre marks.

Number the slits from 1 to 6, exactly as shown.

Tie a knot in the end of your piece of string or wool.

Pull the string/wool through the slit marked “1” on the base of your cardboard until you reach the knot at the end of the string/wool and it jams.

Pull the string/wool through the other slit marked “1” on the side of your square.

Now pull the string/wool through the slit marked “2” on the side and join it back to the slit marked “2” on the base.

Carry on until you have threaded the string through every slit.

- a. What picture shape have you made?
- b. How would you make a circle picture?

