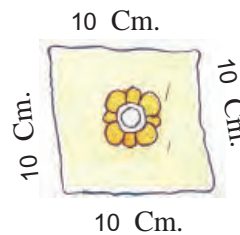# Unit 9

PERIMETER

Deepa's mother is stiching on four sides of a handkerchief. By looking at the picture tell how much more stitching she has to do.

10 Cm.

10 Cm.

10 Cm.

10 Cm.

How much stitching does she have to do? How will you find out ?

Meeta has planted flowering plants in her courtyard . To save it from animals she wants to make a wire fencing on all four sides.

Can you tell the length of the wire Meeta needs to make the boundary. How will you find out ?

3 Mt.   3 Mt.

3 Mt.   3 Mt.

75 Mt.

50 Mt.

50 Mt.

75 Mt.
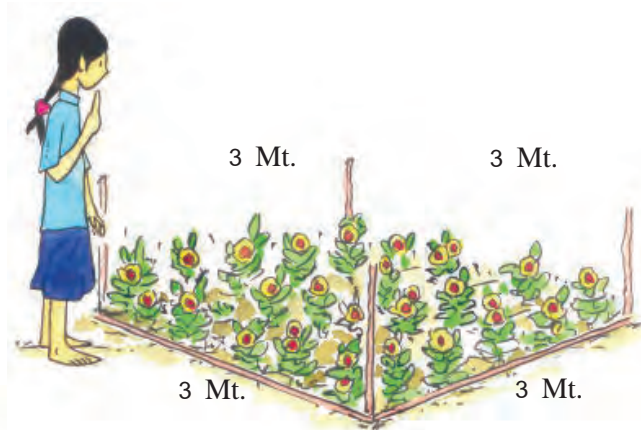
Monu runs on the field daily. Tell how much Monu has to run to take a complete round of the field ?

If he takes 10 rounds of the field how much distance he will cover ?

In the figure given below, some shapes are made by thread. The distance between the horizontal and vertical nails is 1 cm.. Now count and tell what length of thread will be required to make the shapes.
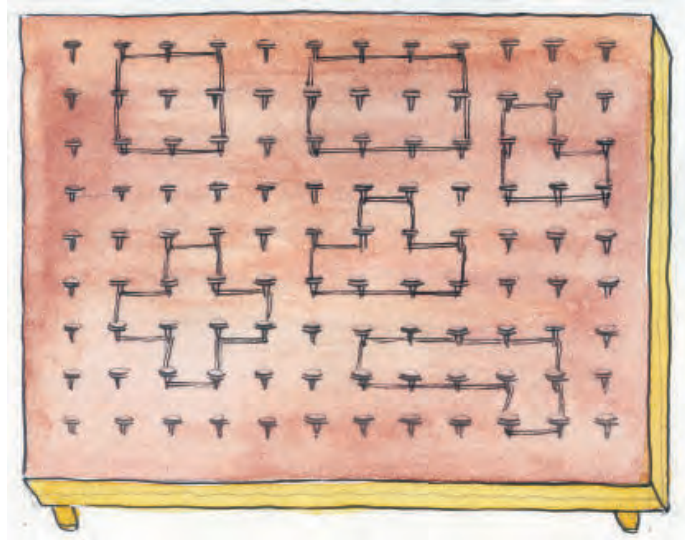
Like the length of the threads needed for the first shape is :

2cm + 2cm + 2cm+2cm = 8 cm

Draw such shapes on the board. Calculate the length of pieces of thread to make these shapes.

The length of the thread needed to make the shapes in the figure is the perimeter of the figure.

Perimeter of slate

What is the perimeter of your slate ?

To know this, keep the slate on the ground and draw its shape on the floor. Now remove the slate and fix nails on all the four sides.

Starting from one nail, take the thread to the second nail, then third, then fourth and again bring it back to the first nail.

Make a mark on the point where the thread comes back to the first nail and by stretching the thread measure its length. The length of the thread is the perimeter of your slate.

In this way find out the perimeter of the things given below:

1.   Matchbox

2.   Your book

3.   Compass box

Now with a measuring tape used by a tailor , find our the perimeter of the following :
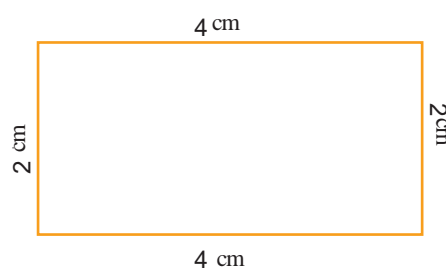
1.   your wrist

2.   Bangle

3.   Ringball

4.   your friend's head

5.   bottom of a bottle

Perimeter of a rectangle

Till now you have found out the perimeter of many things. Now lets see how we can we find out the perimeter of any shape without using a thread.

What is the perimeter of this rectangle ?

4 cm

2 cm   2 cm

4 cm

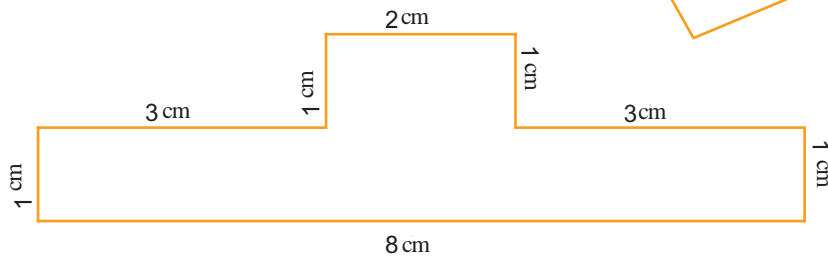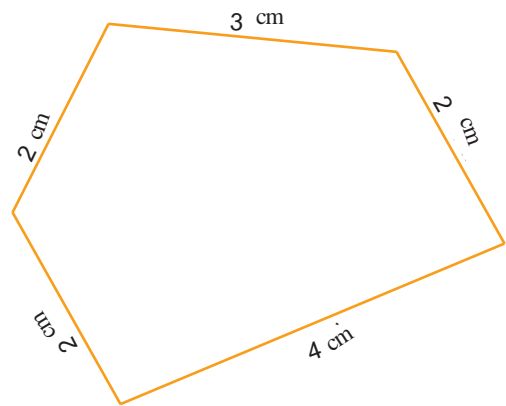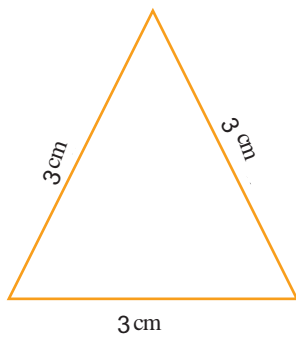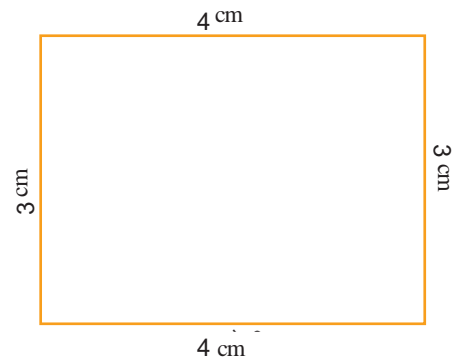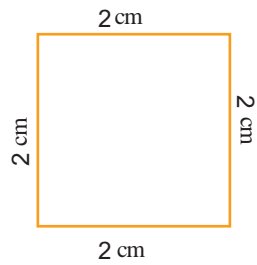Place a piece of thread on its four sides. The required length of the thread would be

4cm + 2 cm + 4 cm + 2 cm = 12 cm
Now we can say the perimeter of the given rectangle = 12 cm
Now say what we have done to find out the perimeter of this rectangle

_____

Find the perimeters of figures given below:

2 cm

2 cm

2 cm

2 cm

4 cm

3 cm

3 cm

4 cm

3 cm

3 cm

3 cm

3 cm

3 cm

2 cm

2 cm

2 cm

4 cm

2 cm

3 cm

1 cm

1 cm

3 cm

3 cm

1 cm

1 cm

8 cm

Measure the sides of the figures with a scale and find the perimeters.
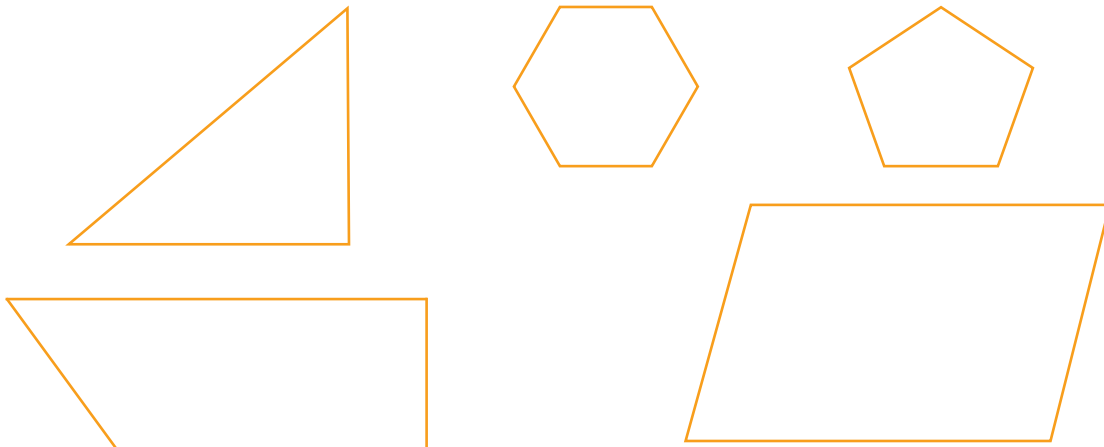
Find Out

1. You have to do fencing on the four sides of your class. What will be the length of rope required to make the fencing. Measure and tell.

Do it and see

1. Find out the perimeter of the kabaddi ground ?
2. Find out the perimeter of the kho kho ground ?
3. Can you tell the distance covered by a cycle wheel in one revolution ?
4. Collect some items from your surrounding and find out its perimeter
5. The picture of the courtyard of my house is given below. There are 15 stones in it. Each stone is 1 metre long and 1 metre broad.

You have to find out what is the perimeter of the courtyard ?

Find out the area of the courtyard also .