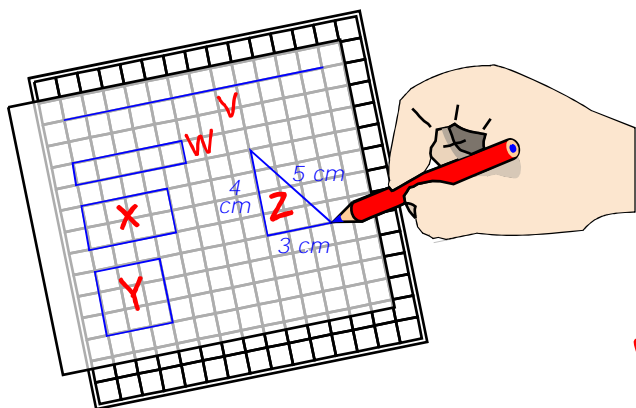


1 Understanding perimeter (4th class)



Use tracing paper, a pencil and the grid for the following activities.

Note: Children are introduced to the concept of *perimeter* in 4th class and they are also shown how to use *standard square units* to measure the area of regular and irregular shapes.

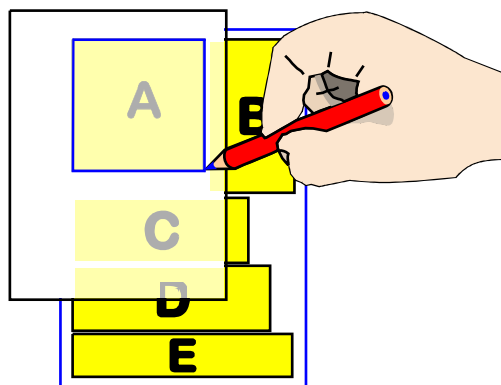
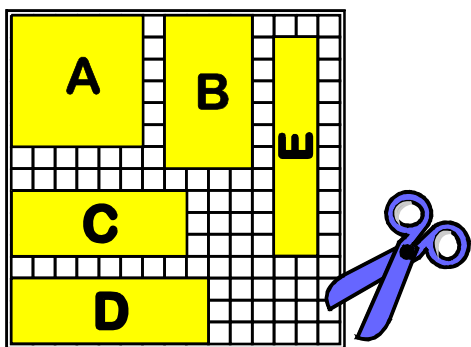
- (i) Which of the objects you have drawn has *no* area?
- (ii) How does the **length of V** compare with the **distance around each shape**?
- (iii) Which of the shapes is a square?
- (iv) What is the area of each shape in cm^2 ?

- ✓ ◆ Trace a straight line $12cm$ long and name it **V**.
- ◆ Trace the rectangles **W**, **X** and **Z** with the following measurements:

Rectangle	length of long side	length of short side
W	5 cm	1 cm
X	4 cm	2 cm
Y	3 cm	3 cm

- ◆ Draw the triangle **Z** as in the picture.

2 Area & perimeter of rectangles (4th to 6th classes)



- (i) Which shapes have the same length of perimeter?
- (ii) Do any of the shapes cover the same amount of area?
- (iii) Which of the shapes covers the greatest area?
- (iv) Which shape covers a larger area than two other shapes yet it has a shorter perimeter than either of them?
- (v) Which shape covers a smaller area than two other shapes yet it has a longer perimeter than either of them?

- ✓ ◆ Trace or cut out shapes **A**, **B**, **C**, **D** and **E**. Find their measurements on the grid and complete the table.

Shape	length of long side	length of short side	Perimeter of shape	Area of shape
A				
B				
C				
D				
E				

- ◆ Figure out the connection between the lengths of its sides and the area of each rectangle.