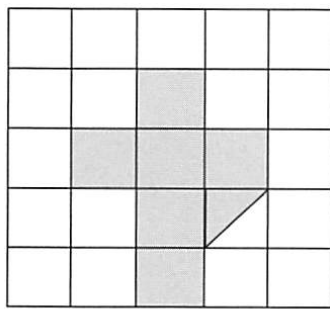


Unit 13 : Area and Perimeter


Friendly Notes

Area

The space enclosed by the sides of a figure is its area.
The square centimeter and square inch are units of area.

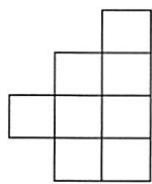


Each  is 1 square unit.

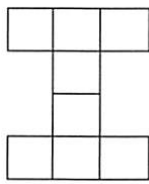
Each  is $\frac{1}{2}$ square unit.



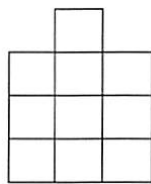
The area of the shaded part is $6\frac{1}{2}$ square units.



A



B



C

Each  is
1 square unit.



Shape A = 8 square units

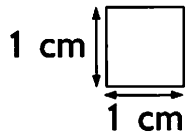
Shape B = 8 square units

Shape C = 10 square units

Shape A and Shape B have the same area.

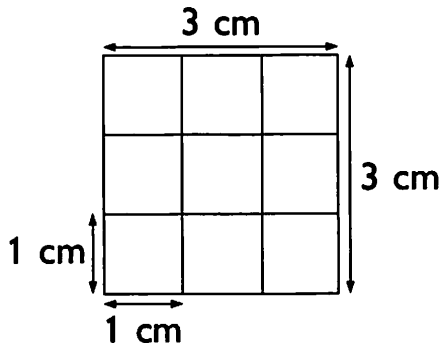
Shape C has a greater area than Shape A and Shape B.

(a) This is a 1-cm square.



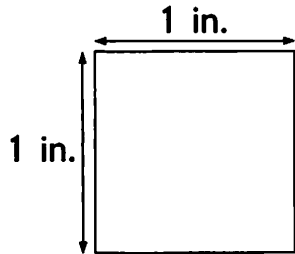
Its area is 1 square centimeter.

A 3-cm square is made up of nine 1-cm squares.

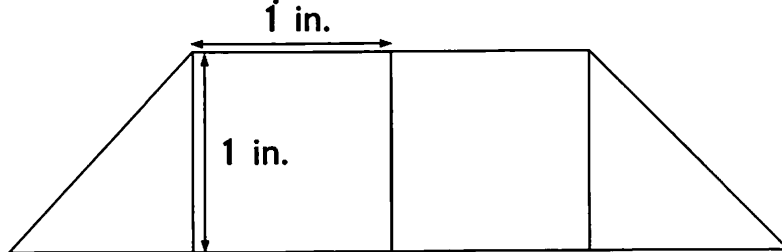


The area of a 3-cm square is 9 square centimeters.

(b) Each side of this square is 1 inch long.

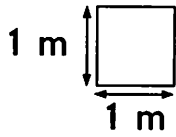


Its area is 1 square inch.

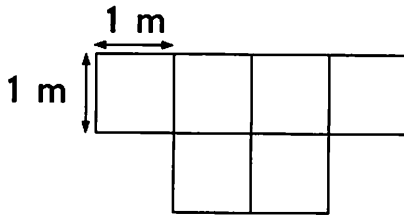


The area of the figure is 3 square inches.

- (c) This square represents a square that is 1 m long on each side.

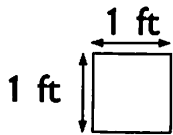


Its area is 1 square meter.

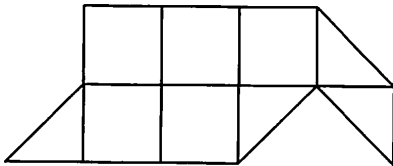


The area of this figure is 6 square meters.

- (d) This square represents a square that is 1 foot long on each side.



Its area is 1 square feet.



The area of the figure is 7 square feet.