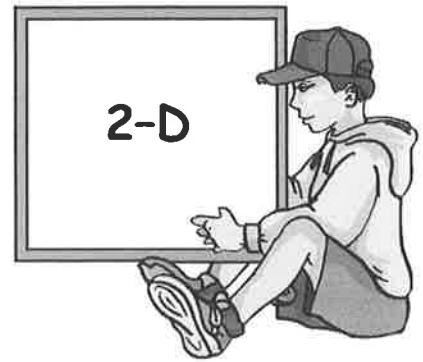


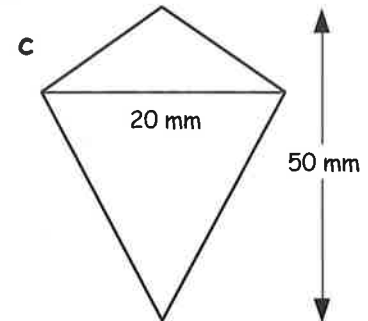
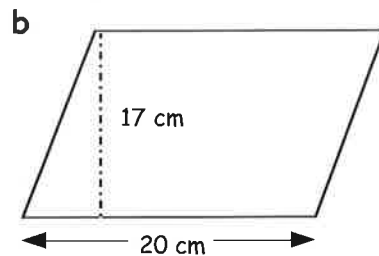
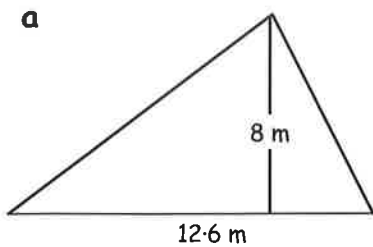
# CHAPTER 7



## Review 6

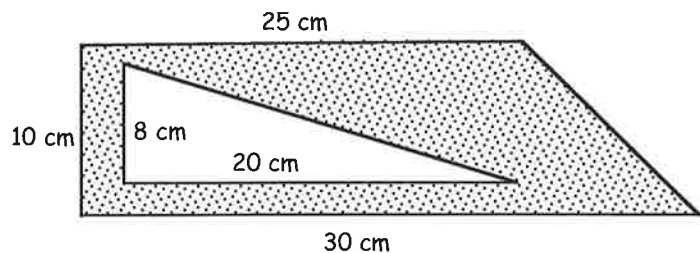
### Perimeter, Area & Volume

1. For each of these shapes, name the shape, state what formula should be used to find its area and then calculate its area.

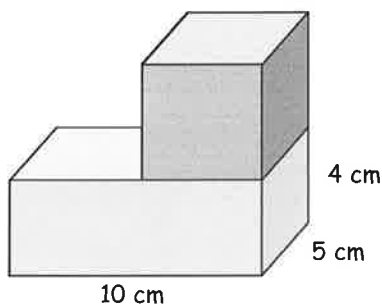


2. Calculate the area and perimeter of a square of side 8 cm.

3. Calculate the shaded area of this shape, which consists of a trapezium with a right angled triangle removed.

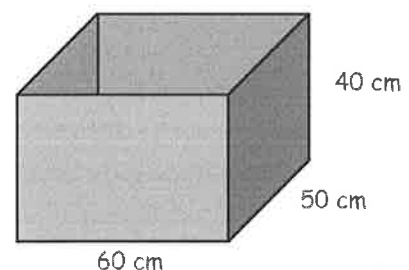


- 4.



Calculate the total volume of this shape consisting of a cube on top of a cuboid.

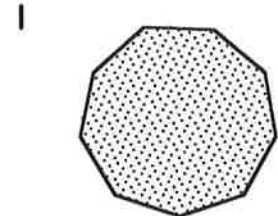
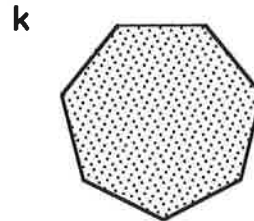
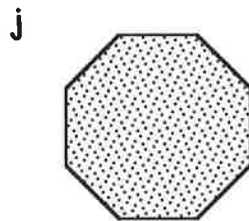
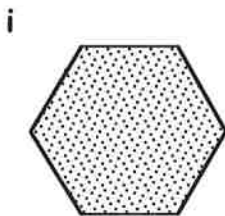
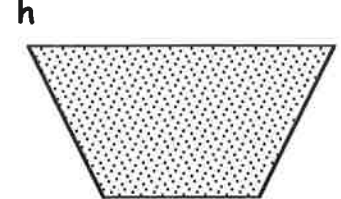
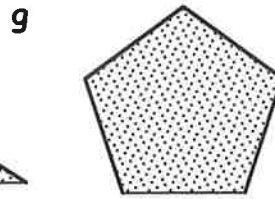
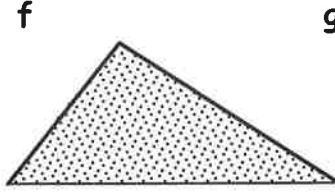
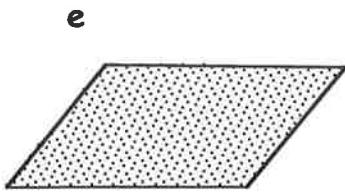
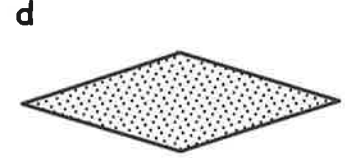
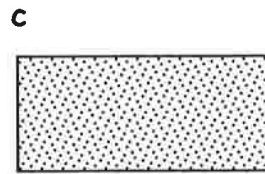
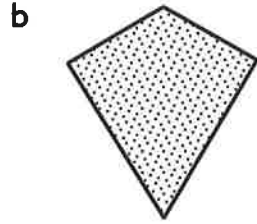
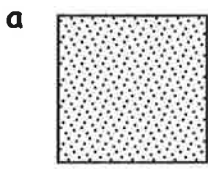
5. Change to litres :-    a 7500 ml                    b 720 ml                    c 40 ml.
6. Change to ml :-        a  $8\frac{1}{4}$  litres                b 2.008 litres             c  $\frac{1}{8}$  litre.
7. A box has dimensions as shown :-
- a Find the volume of this box.
- b How many litres will it hold when full ?



## Exercise 1

### Recognising Polygons

1. Name each of the shapes below :-

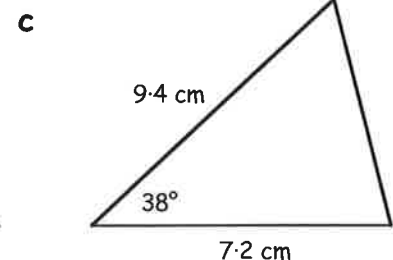
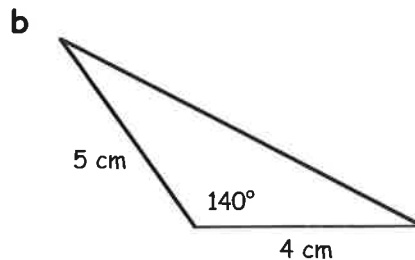
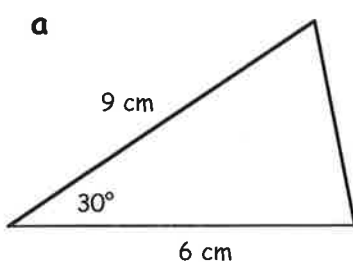


2. For each shape in question 1, write down how many sides and vertices (corners) each shape has.

## Exercise 2

### Drawing Triangles (given 2 sides and an angle)

1. Make accurate drawings of the following triangles :-



2. Make accurate drawings of the following triangles :-

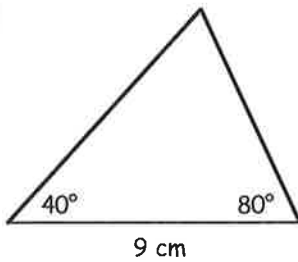
a Draw  $\triangle FRT$  where  $FR = 6$  cm,  $RT = 7$  cm and  $\angle FRT = 50^\circ$ .

b Draw  $\triangle KAP$  where  $AP = 11$  cm,  $AK = 8.5$  cm and  $\angle KAP = 120^\circ$ .

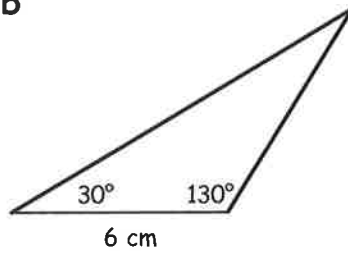
**Exercise 3****Drawing Triangles (given 2 angles and a side)**

1. Make accurate drawings of the following triangles :-

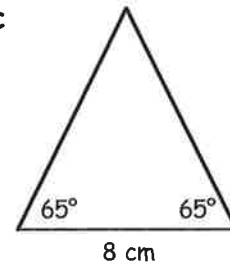
a



b



c



2. Make accurate drawings of the following triangles :-

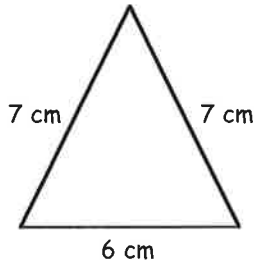
a Draw  $\triangle PQR$  where  $PQ = 10$  cm,  $\angle RPQ = 55^\circ$  and  $\angle RQP = 75^\circ$ .

b Draw  $\triangle YAM$  where  $AM = 6$  cm,  $\angle YAM = 45^\circ$  and  $\angle YMA = 105^\circ$ .

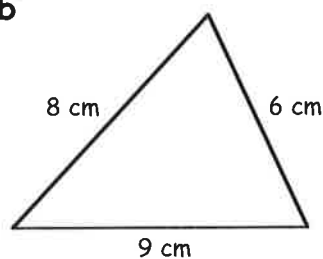
**Exercise 4****Drawing Triangles (given 3 sides)**

1. Make accurate drawings of the following triangles :-

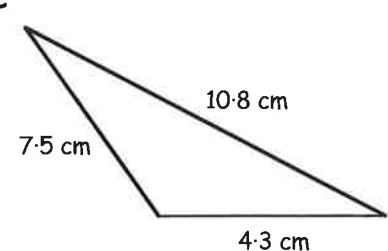
a



b



c



2. Make accurate drawings of the following triangles :-

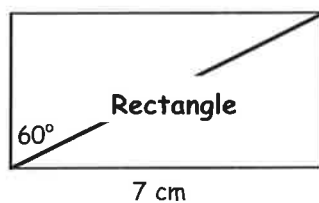
a Draw triangle PQR where  $PQ = 10$  cm,  $RQ = 6$  cm and  $PR = 4$  cm.

b Draw triangle BTL where  $BT = 68$  mm,  $TL = 57$  mm and  $BL = 48$  mm.

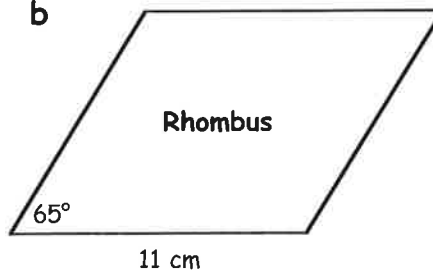
**Exercise 5****Drawing Quadrilaterals & Regular Polygons**

1. Make accurate drawings for each of the following :-

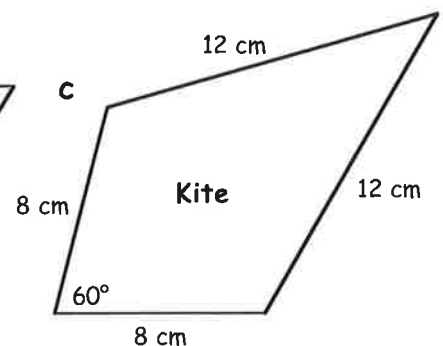
a



b



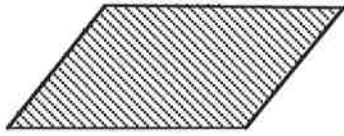
c



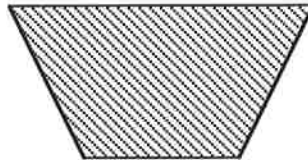
## Revisit - Review - Revise 7

1. What is the **mathematical name** given to these **polygon** shapes ?

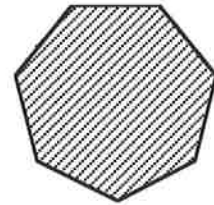
a



b



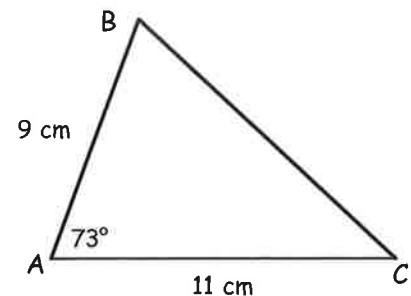
c



2. Make an accurate drawing of a **rectangle** with length 7 cm and breadth 9.5 cm.

3. a Make an **accurate** drawing of **triangle ABC**.

b Measure and write down the size of line BC.

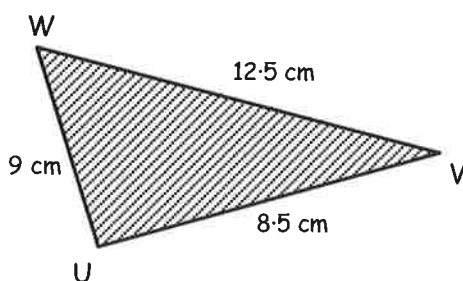


4. a Draw accurately a **triangle** named JKL where :-

$$JK = 8.5 \text{ cm} \quad \angle KJL = 55^\circ \quad \angle JKL = 48^\circ.$$

b Measure and write down the size of line KL.

5.



Look at the sketch of triangle UVW.

a Make an accurate drawing of this triangle.

b Measure and mark in the sizes of its angles.

6. Draw a **kite** with sides 6 cm, 6 cm, 9 cm and 9 cm.

The angle between the 2 smaller sides is to be  $120^\circ$ .

7. a Make a neat, accurate drawing of this **trapezium**.

b Measure the length of the 4th side.

