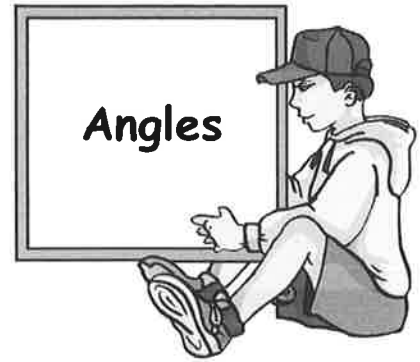


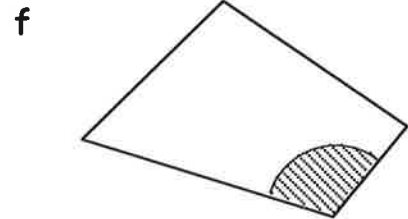
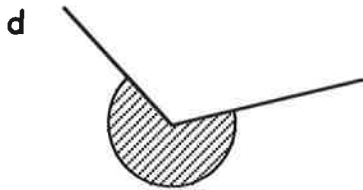
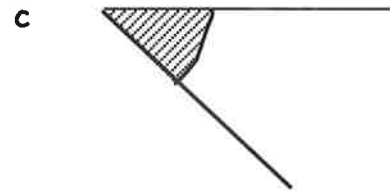
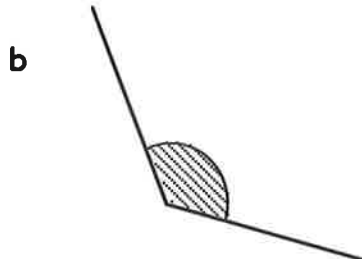
# CHAPTER 5

## Consolidation



### 1. Acute, Right, Obtuse, Straight or Reflex.

What kind of angles are these ?

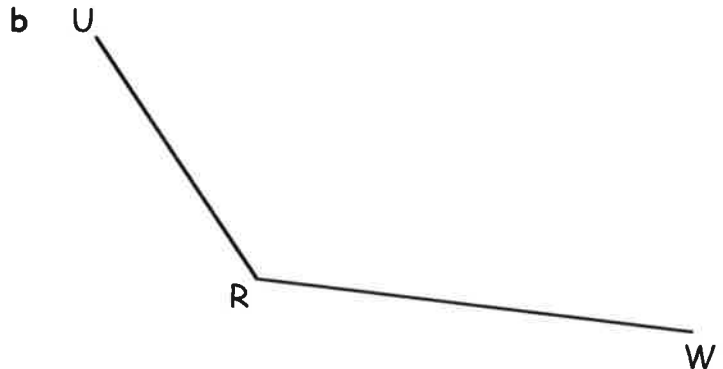
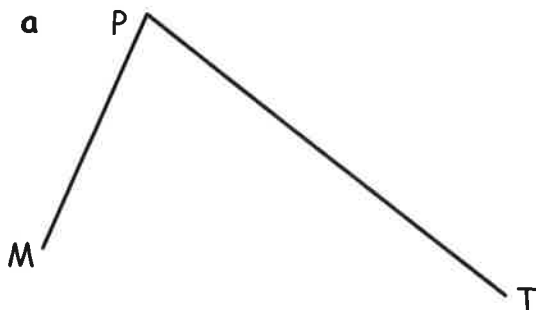


### 2. From the angles listed below, list which ones are :-

a acute      b obtuse      c right      d straight      e reflex.

56°, 129°, 90°, 186°, 4°, 299°, 94°, 172°, 180°, 79°, 166°, 61°.

### 3. Use 3 letters to name each angle and use a protractor to measure its size.



### 4. Draw each of the following angles and label them with their letters :-

a  $\angle DEF = 40^\circ$

b  $\angle KLM = 75^\circ$

c  $\angle PQR = 130^\circ$ .

### 5. How many degrees are there from :-

a South to West (clockwise)

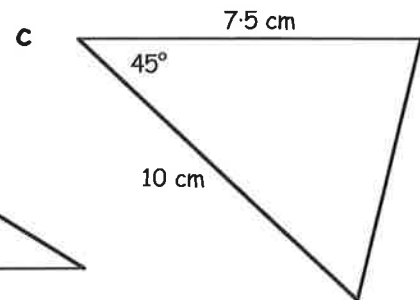
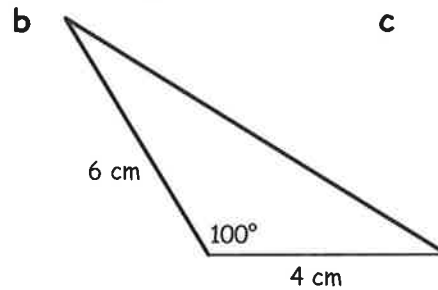
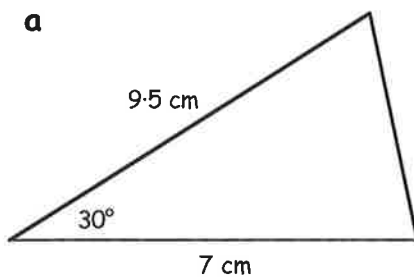
b West to South East (clockwise)

c South East to North (anti-clockwise)

d North East to North (clockwise) ?

## Exercise 1

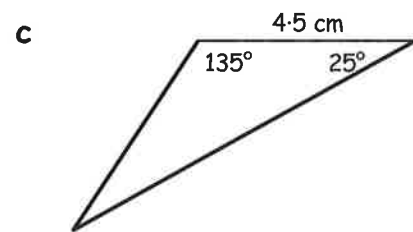
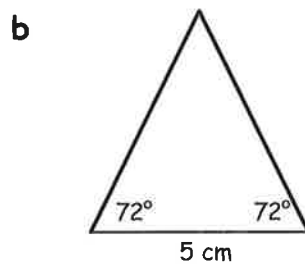
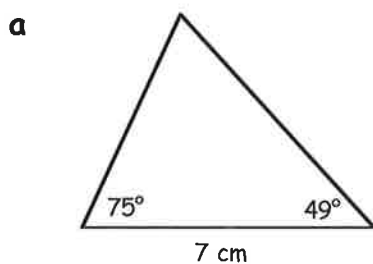
1. Make accurate drawings of these triangles :-



2. Draw  $\triangle PQR$  where  $QR = 9$  cm,  $QP = 7$  cm and  $\angle PQR = 35^\circ$ .

## Exercise 2

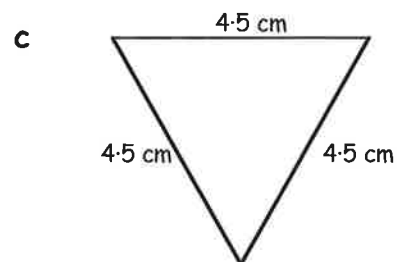
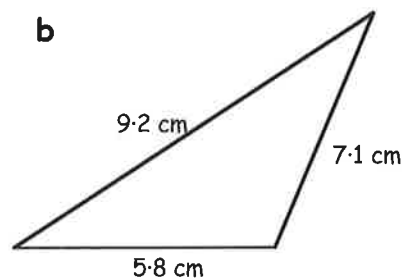
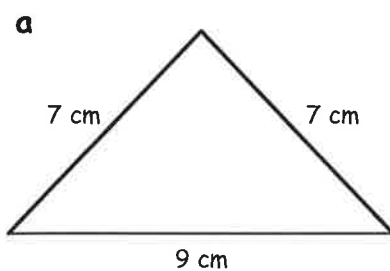
1. Make accurate drawings of these triangles :-



2. Draw  $\triangle ABC$  where  $AB = 9$  cm,  $\angle CAB = 50^\circ$  and  $\angle ABC = 45^\circ$ .

## Exercise 3

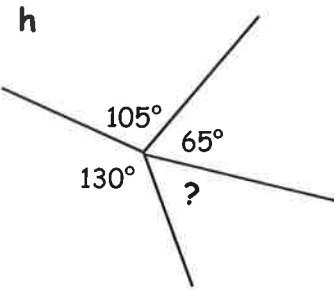
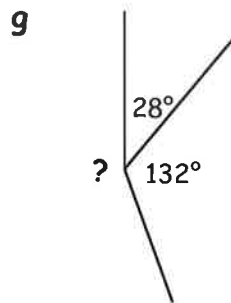
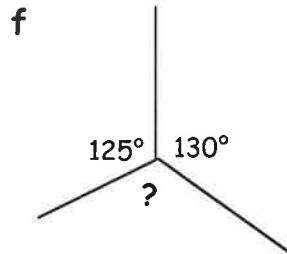
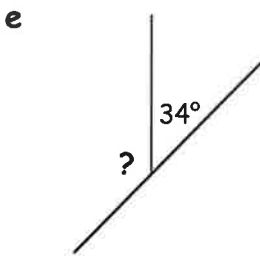
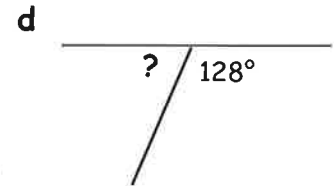
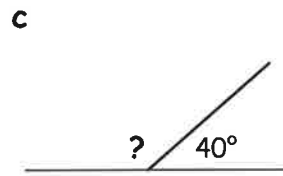
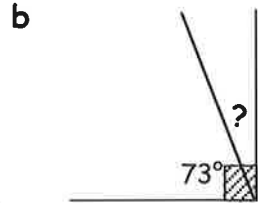
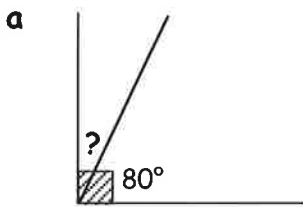
1. Make accurate drawings of these triangles :-



2. Draw  $\triangle LMN$  where  $LM = 8$  cm,  $MN = 6$  cm and  $LN = 4$  cm.

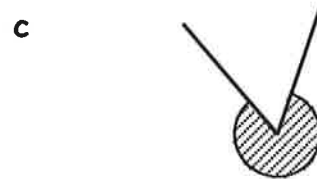
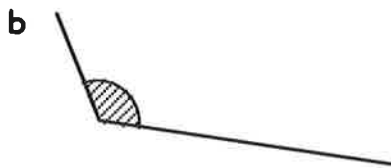
## Exercise 4

1. Calculate the missing value in each of the following :-



## Revision Exercise

1. What type of angles are shaded? **Acute, Obtuse, Right, Straight or Reflex?**



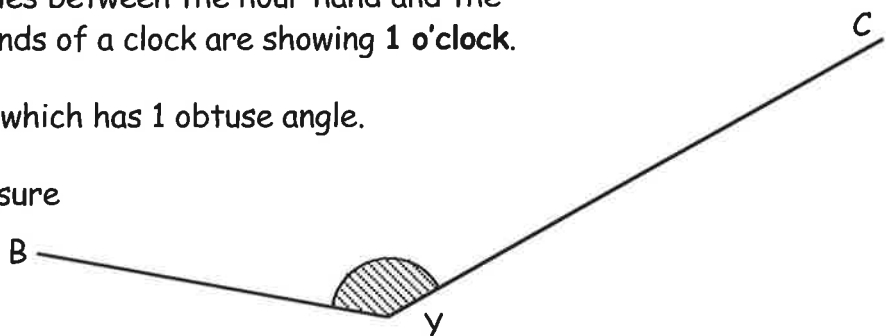
2. Draw a picture of what this pizza looks like after it has been given an **anti-clockwise quarter turn** around its centre.



3. Name the 2 types of angles between the hour hand and the minute hand when the hands of a clock are showing 1 o'clock.

4. Draw a four sided shape which has 1 obtuse angle.

5. Name this angle and measure its size in degrees.



6. Draw a **right angled triangle** with two of its sides 3 cm and 4 cm.

7. Use a ruler and pair of compasses to draw an **equilateral triangle** with all three sides 8 centimetres long.