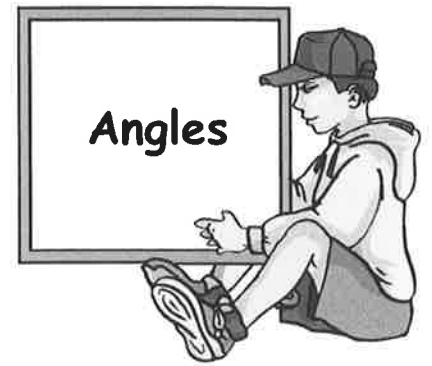
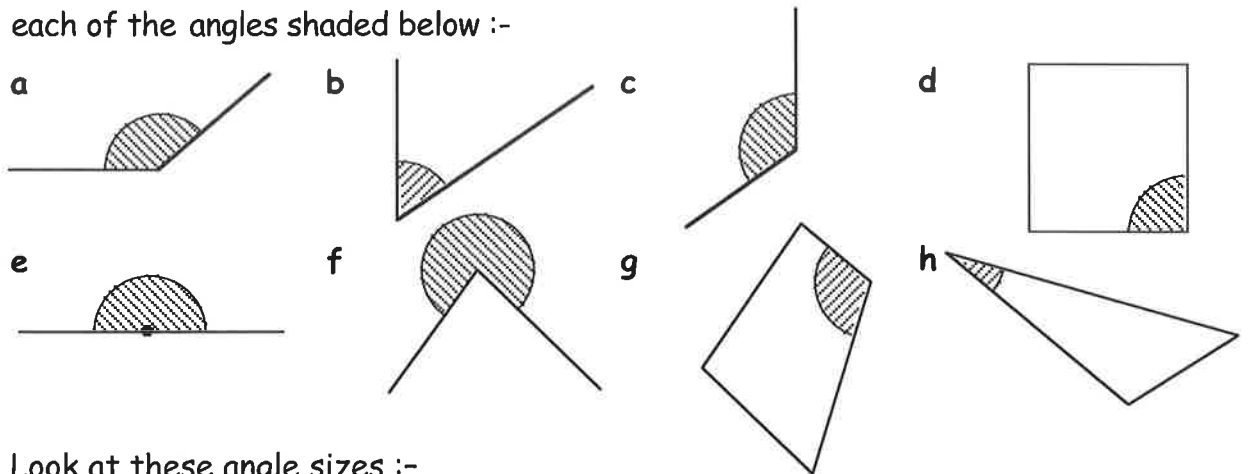


CHAPTER 6



Exercise 1

1. Use a word from ACUTE, RIGHT, OBTUSE, STRAIGHT or REFLEX to describe each of the angles shaded below :-



2. Look at these angle sizes :-

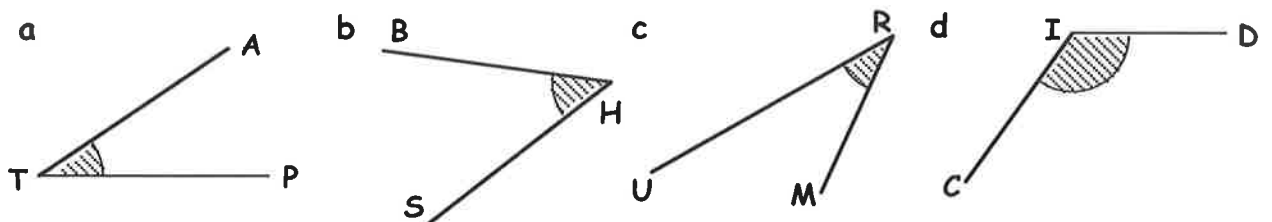
207°, 85°, 104°, 19°, 70°, 180°, 143°, 96°, 90°, 318°, 34°, 178°.

Which of the angles are :-

a acute b obtuse c straight d right e reflex?

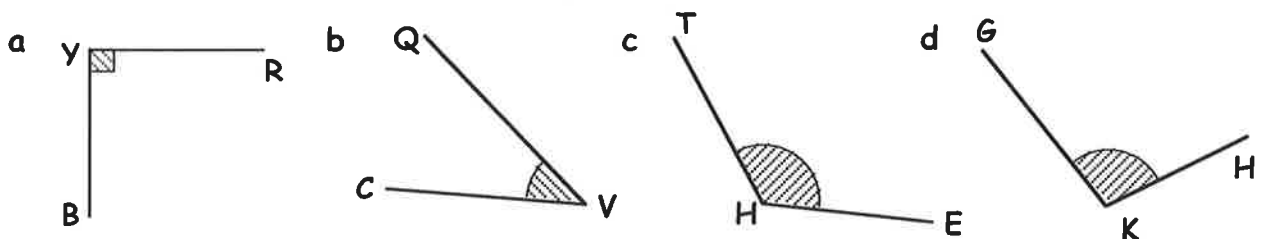
Exercise 2

1. Use 3 LETTERS each time to name the shaded angle :- (use the "∠" sign).



2. Use THREE letters to name each angle and say what TYPE of angle it is :-

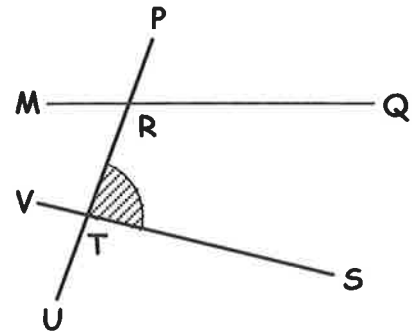
Example :- an $\angle ABC$ is an acute angle.



3. Copy the diagram shown. $\angle RTS$ is shaded.

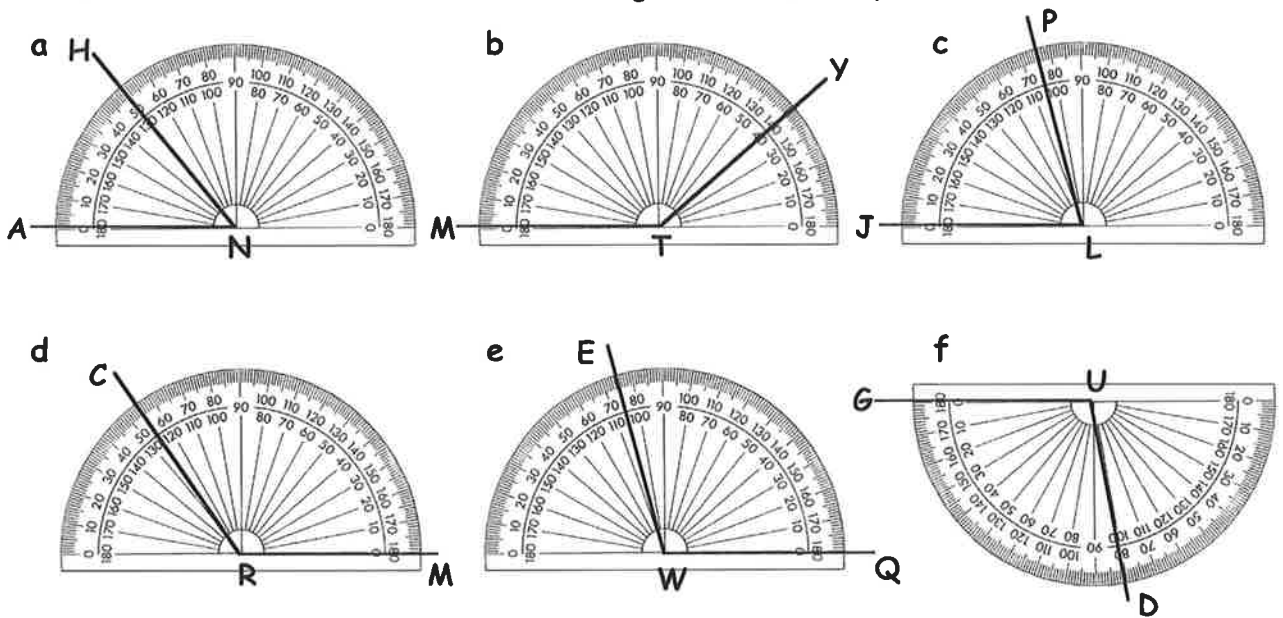
Mark in :-

- a $\angle VTU$ with an X.
- b $\angle MRP$ with an O.
- c $\angle PRQ$ and $\angle MRT$ with a *.

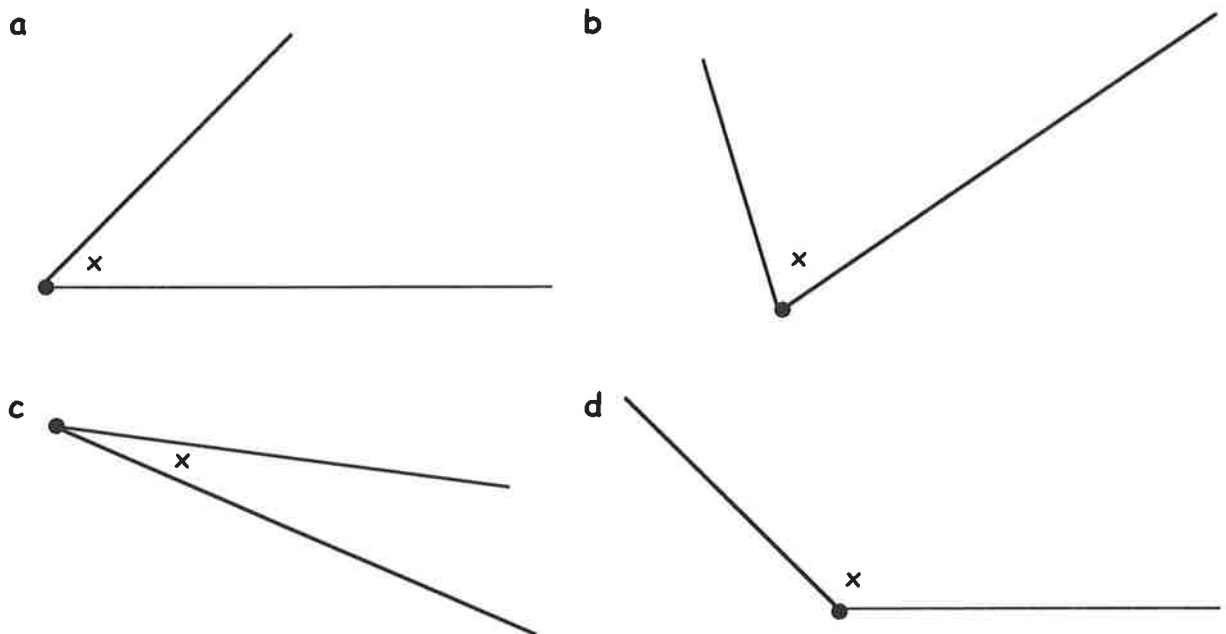


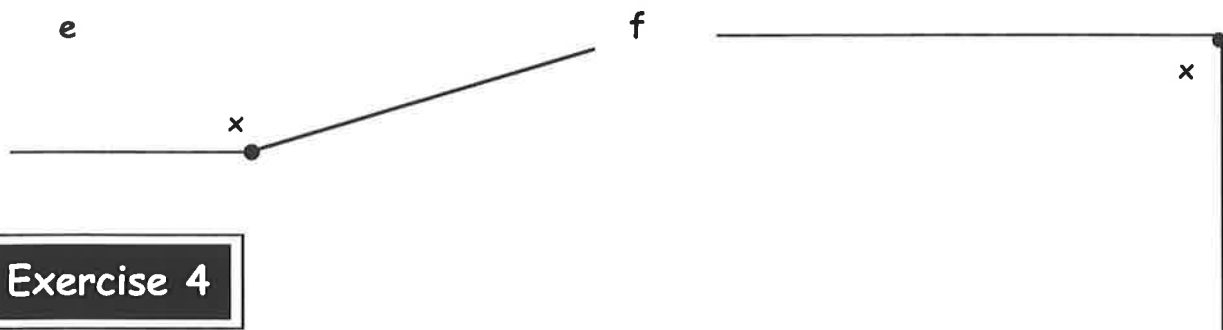
Exercise 3

1. Name and write down the size of each angle below. (example :- $\angle ABC = 70^\circ$)



2. Use a protractor to measure the size of these angles :-



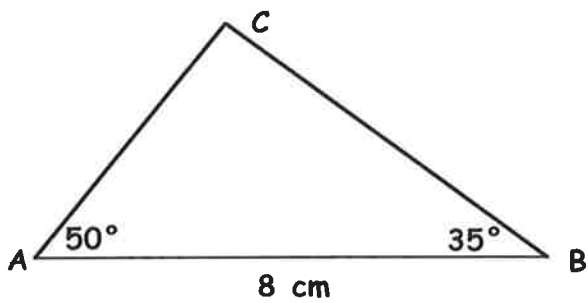


Exercise 4

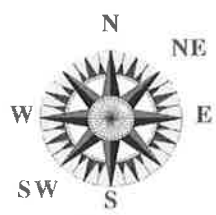
- Use a ruler and protractor to draw and label these angles :-

a $\angle KAY = 30^\circ$	b $\angle NWT = 90^\circ$	c $\angle MUR = 75^\circ$
d $\angle KIU = 120^\circ$	e $\angle QSE = 165^\circ$	f $\angle HYT = 9^\circ$
g $\angle SIR = 153^\circ$	h $\angle GRE = 94^\circ$	i $\angle YOW = 270^\circ$

- Make a full size accurate drawing of this triangle.



Exercise 5




- How many degrees are there from :-

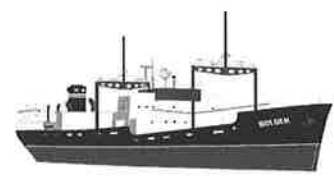
a North to West (clockwise)	b East to South (anti-clockwise)
c North to South West (clockwise)	d North to East (anti-clockwise)
e North East to West (clockwise)	f North to North East (anti-clockwise) ?

- A helicopter was flying South East and turned 90° clockwise. In which direction is the helicopter now flying ?



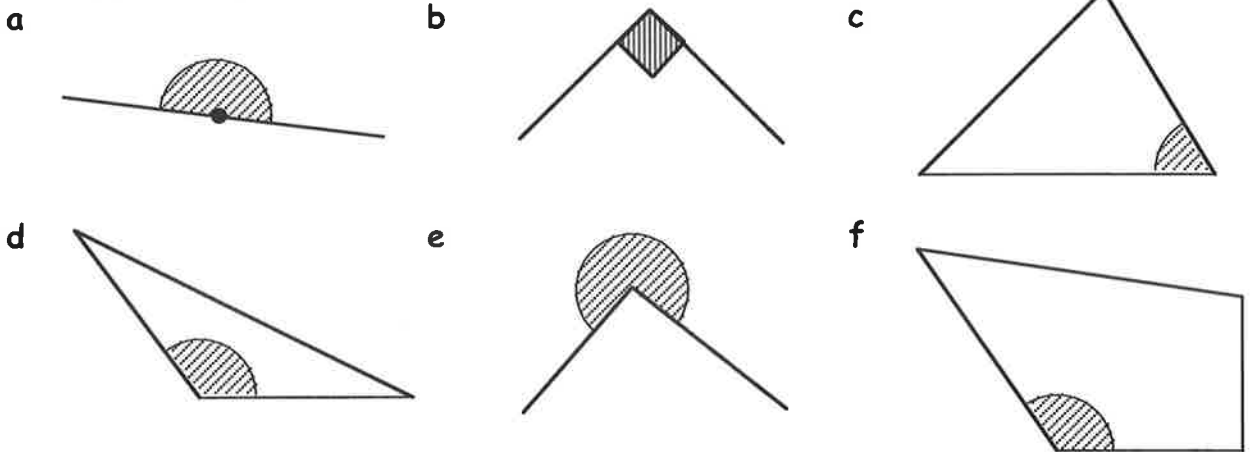
- 
 Gerard was walking North West. He turned 90° clockwise and moved on a bit. Then he turned 225° anti-clockwise. In which direction did he end up facing ?

- A cargo ship was heading South West. It made an anti-clockwise turn and headed East. How many degrees had the ship turned through ?



Revision Exercise

1. Use a word from "acute, right, obtuse, straight or reflex" to describe each type of angle below :-



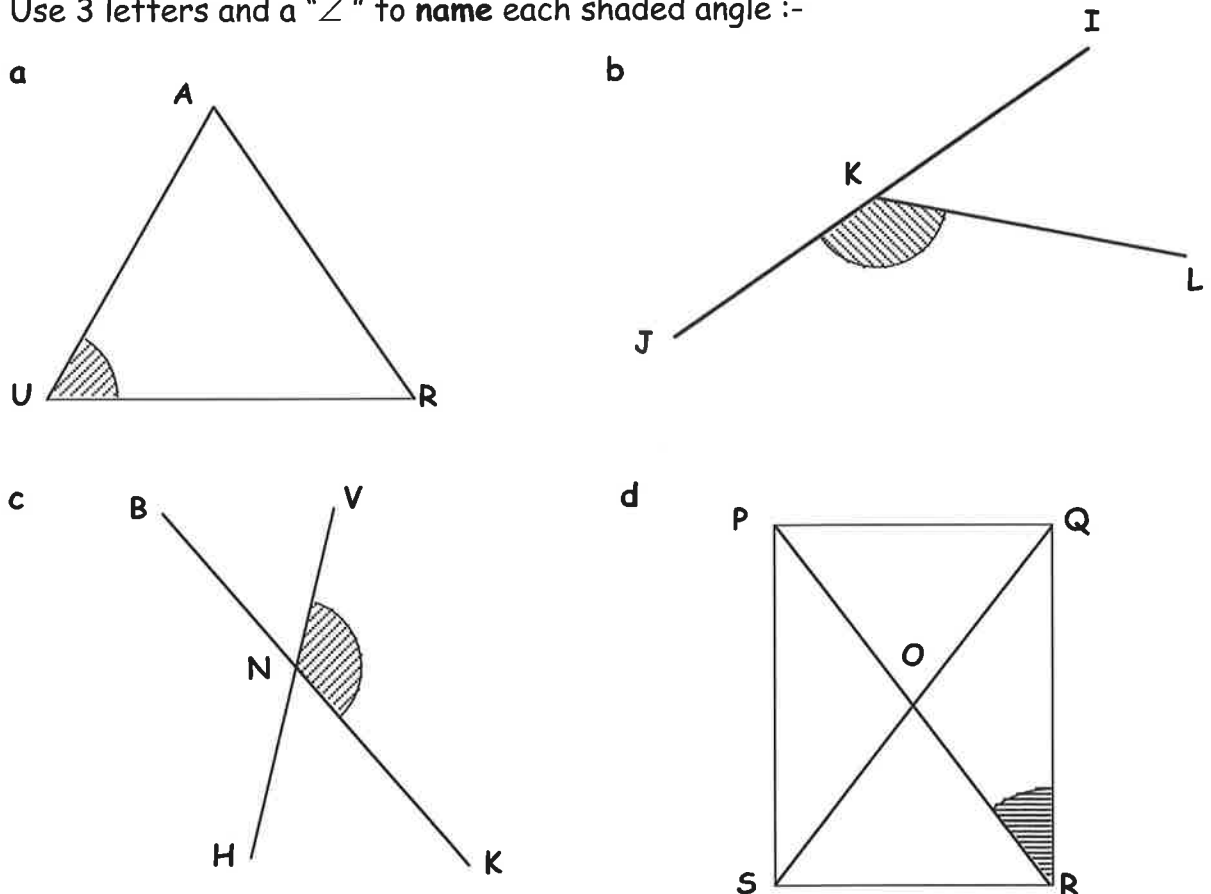
2. Look at the angle sizes given below :-

126°, 51°, 90°, 187°, 180°, 2°, 174°, 30°, 95°, 69°, 136°, 204°.

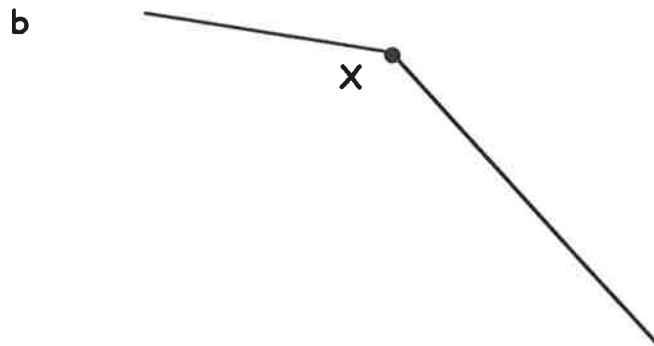
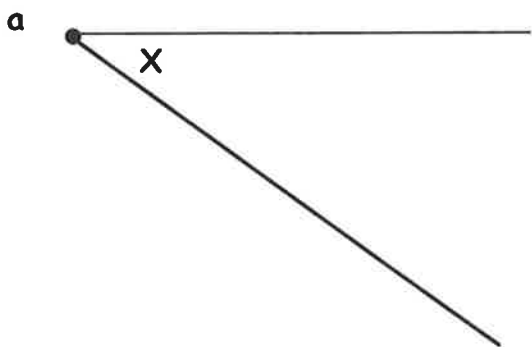
Make lists of angles which are :-

a acute b obtuse c right d straight e reflex.

3. Use 3 letters and a "∠" to name each shaded angle :-



4. With a protractor, measure the size of these angles :-



5. Carefully draw each of the following angles and label them with their letters :-

a $\angle HIJ = 70^\circ$

b $\angle UPT = 10^\circ$

c $\angle PON = 135^\circ$.

6. How many degrees are there from :-

a North to East (clockwise)

b South to West (anti-clockwise)

c South to North West (clockwise)

d East to North East (anti-clockwise).

7.



Thomas is driving his lorry in a North-Easterly direction.

He then makes a **quarter turn anti-clockwise**.

In which direction is he now driving ?

8.

a A tall ship, sailing South West, turned 225° clockwise.

In which direction was the ship then sailing ?

b Later, the ship was sailing North East then

turned clockwise and sailed West.

Through how many degrees had the ship turned ?



9.



Brian was walking from his home up to the hills.

He was walking in a North Westerly direction.

In which direction must he walk from the hills to get back to his house ?