U5L2 WKST

Name:

BIK:

EXERCISE 7C

1   State the size of the lettered angles in each diagram.

a 40° a

b 110° b c

c 75° d e f

d 130° i g h

e 70° j k l

f n m 80°
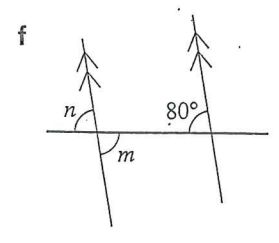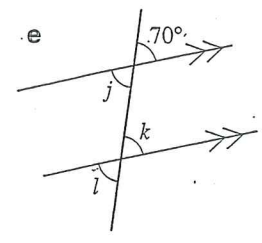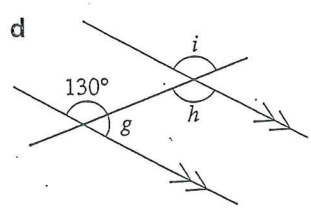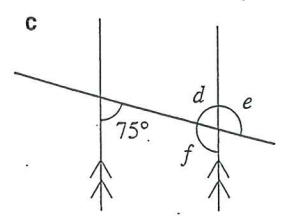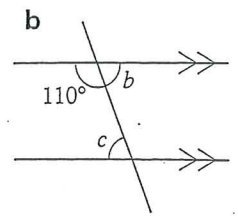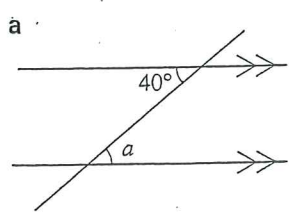
2   State the size of the lettered angles in each situation.

a 50° a b

b 65° c f d e

c 115° g h i

d 72° l k j

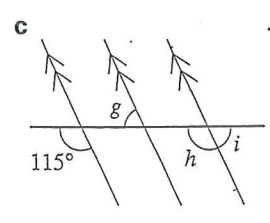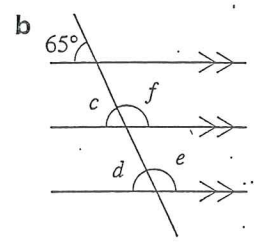**e** m 75° n o p

f s r q 125°
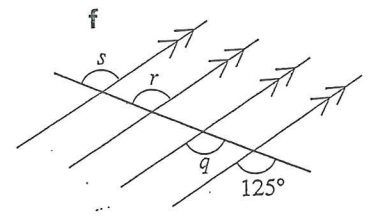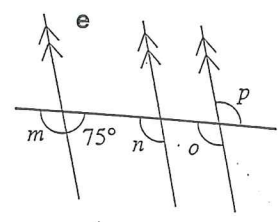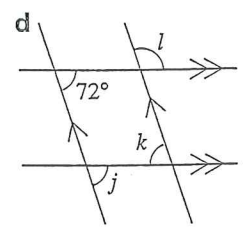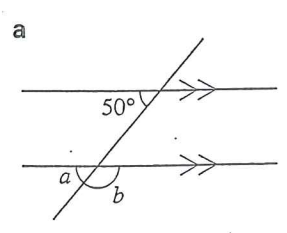
3 Two angles whose sum is 180° and which form a straight line are called **supplementary angles**. Write down **all** the pairs of angles in the diagram that are supplementary.
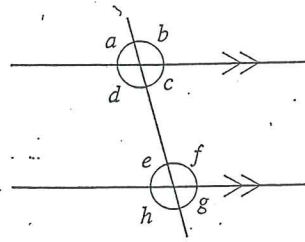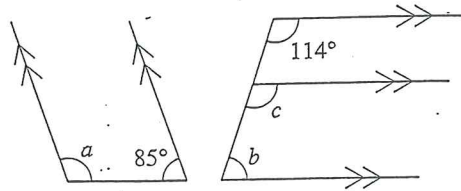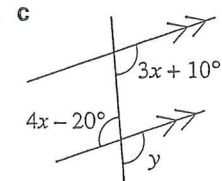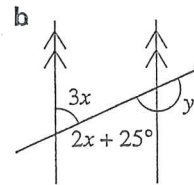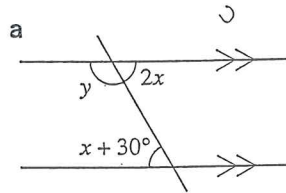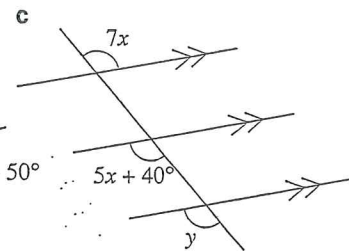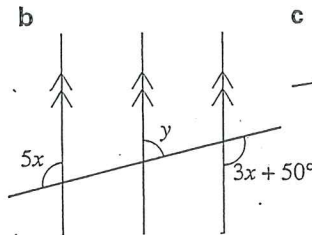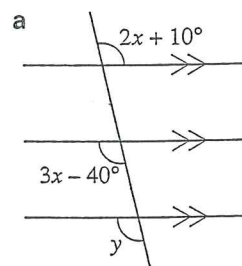
4 State the size of the lettered angles in these diagrams.

5 Calculate the values of x and y in these diagrams.

a

y $2x$

$x + 30°$

b

$3x$ y

$2x + 25°$

c

$3x + 10°$

$4x - 20°$ y

6 Calculate the values of x and y in these situations.

a

$2x + 10°$

$3x - 40°$

y

b

$5x$ y $3x + 50°$

c

$7x$

$5x + 40°$ y

7 Redraw these diagrams, labelling each angle with its actual value.

a

$75°$

b

$110°$

c

$46°$