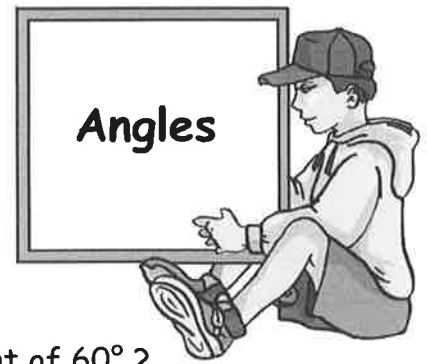


CHAPTER 6



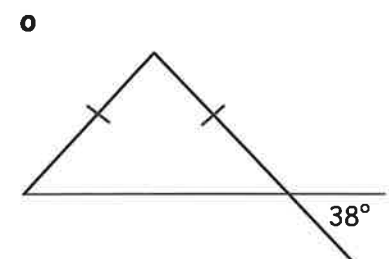
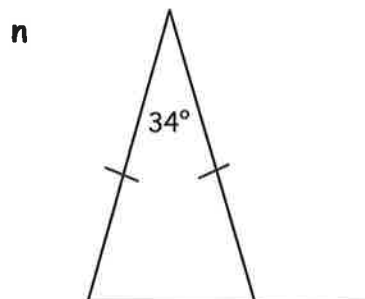
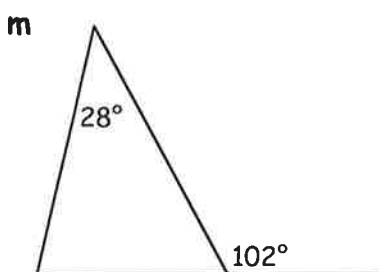
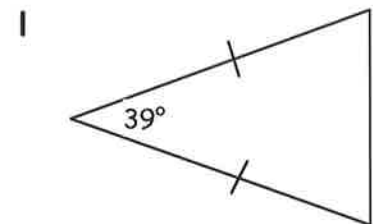
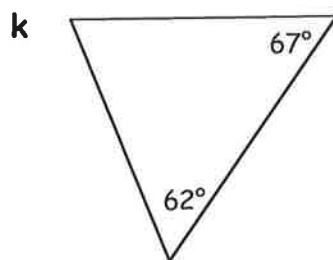
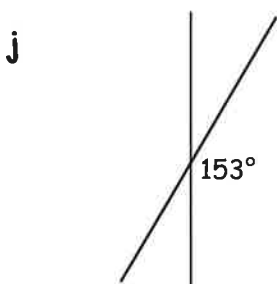
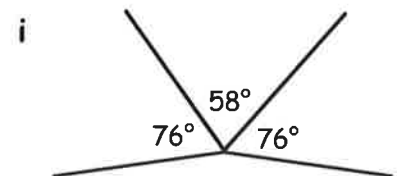
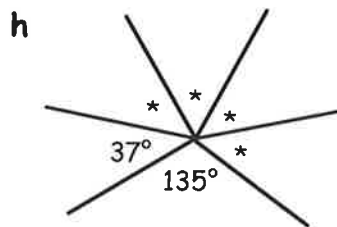
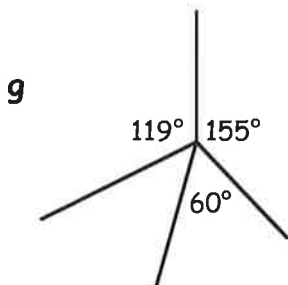
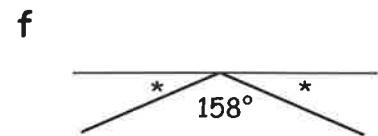
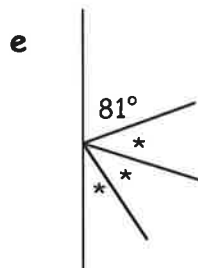
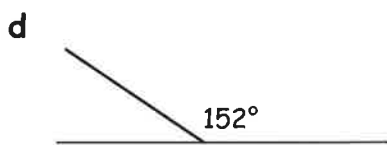
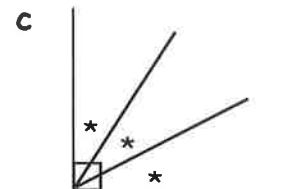
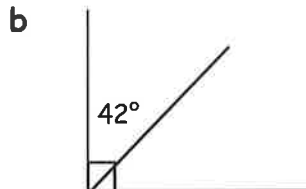
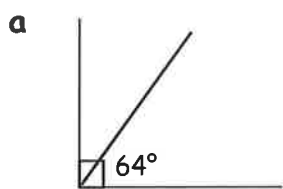
Review 5

Angles



1. What is the :- a complement of 70° b supplement of 60° ?

2. Copy and complete each diagram below, filling in all missing angles :-

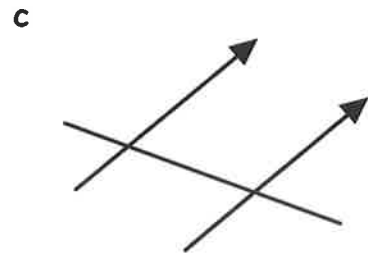
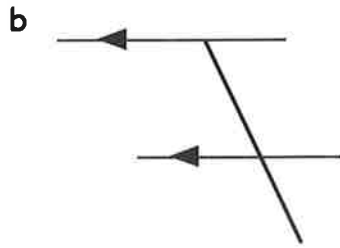
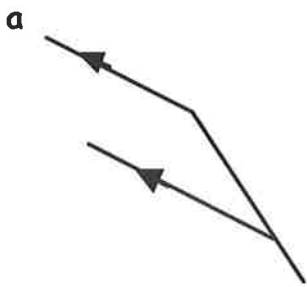


Exercise 1

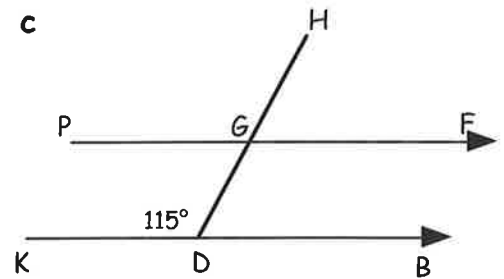
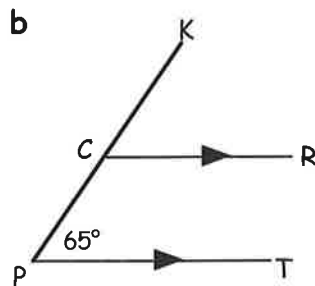
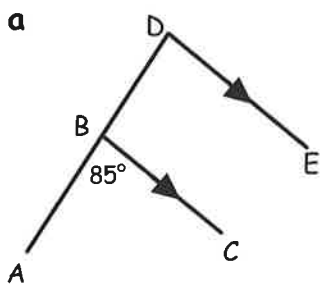
Corresponding Angles



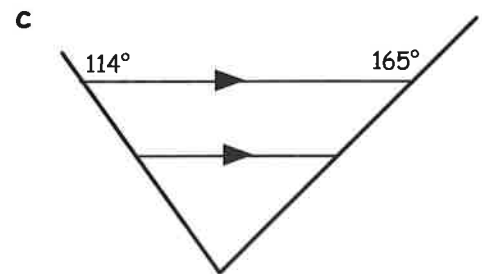
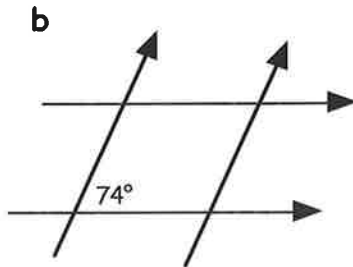
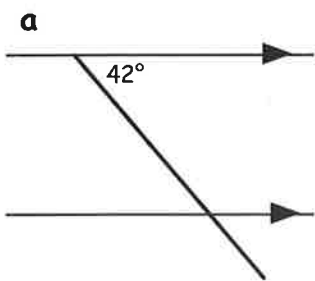
- Copy and complete :- Corresponding (F) angles are e.....
- Copy the diagrams and mark all the corresponding (F) angles with a * :-



- Write down the sizes of all the angles in the following diagrams :- ($\angle ABC = 85^\circ$).



- Sketch each of the following and fill in all the missing angles :-

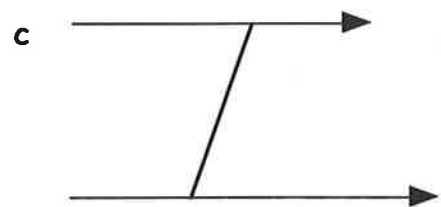
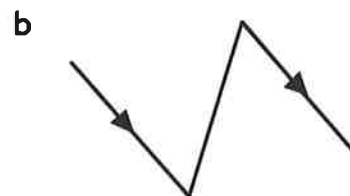
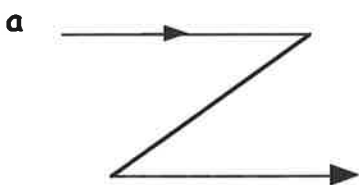


Exercise 2

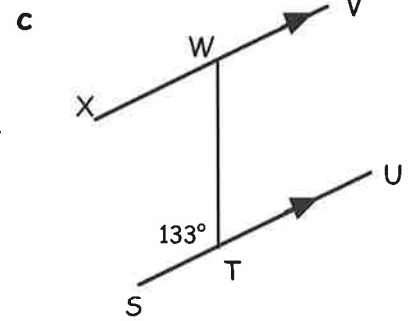
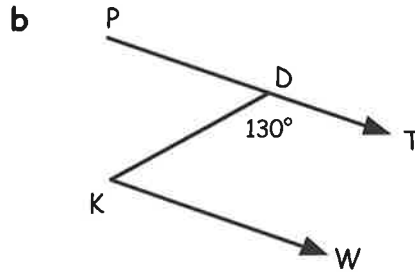
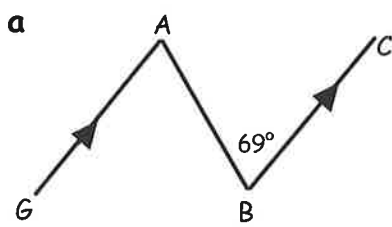
Alternate Angles



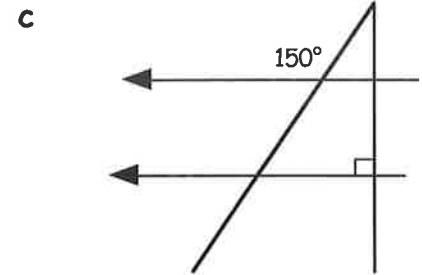
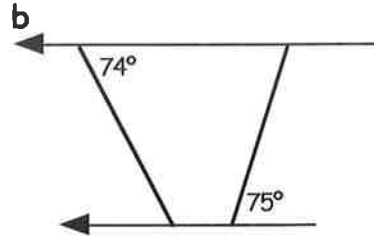
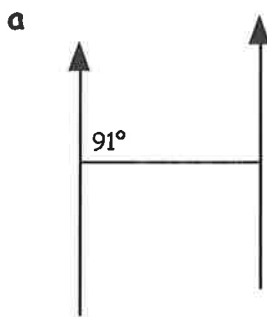
- Copy and complete :- Alternate (Z) angles are e.....
- Copy the diagrams and mark all the alternate (Z) angles with a * :-



3. Write down all the sizes of the angles in the following diagrams :- (e.g. $\angle ABC = 69^\circ$).



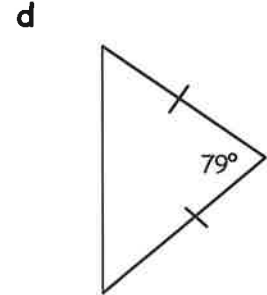
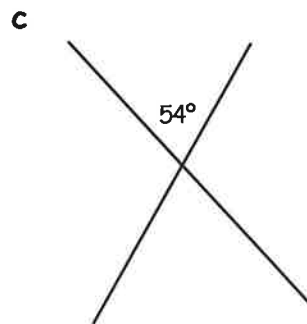
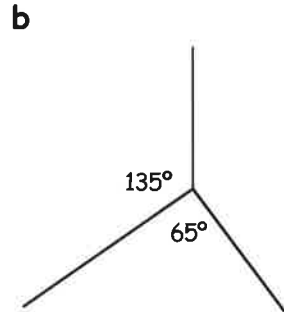
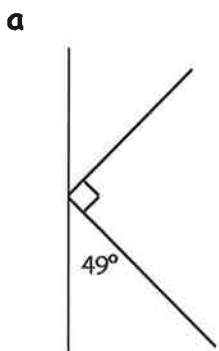
4. Sketch each of the following and fill in all the missing angles :-



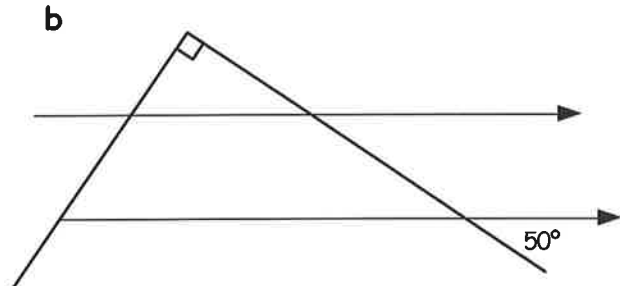
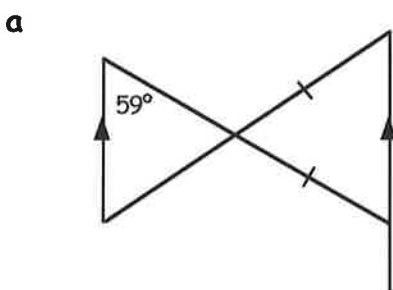
Exercise 3 Mixed Exercise



1. Make a neat rough sketch of each of the following diagrams. Fill in all the missing angles.



2. Sketch each of the following and fill in all the missing angles :-

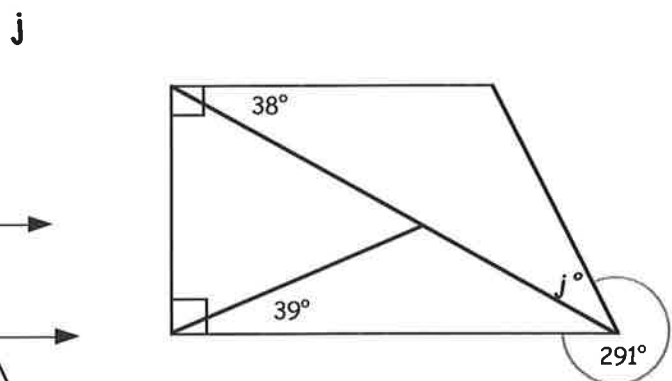
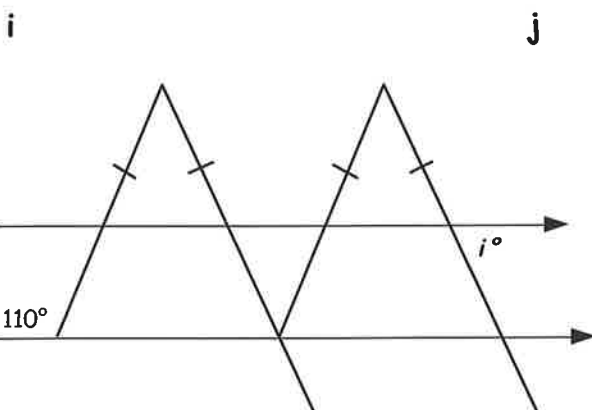
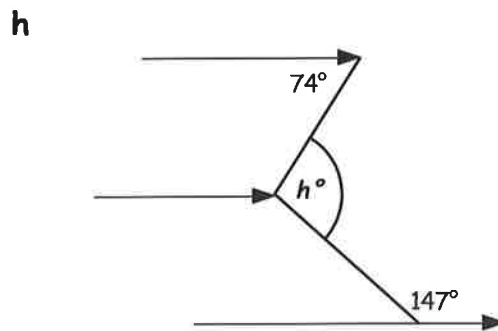
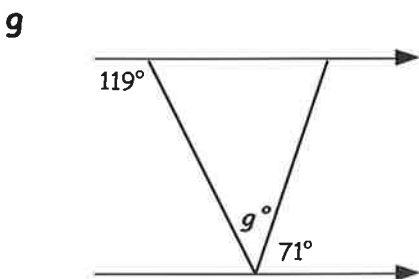
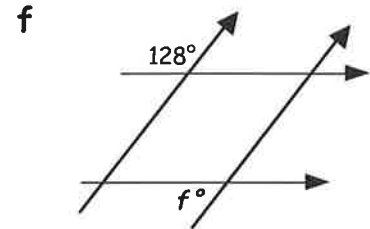
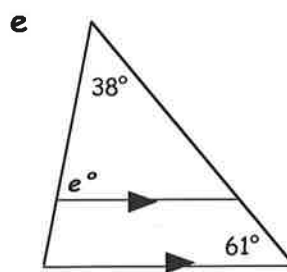
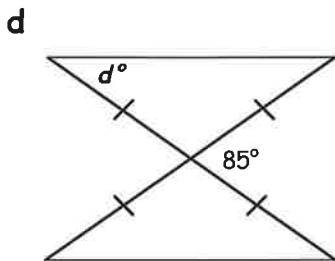
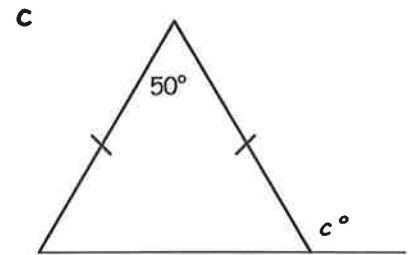
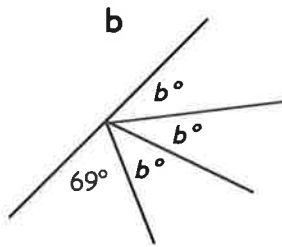
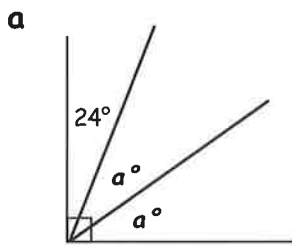


Revisit - Review - Revise 6



1. a What size of angle is **complimentary** to 34° ?
 b Write down the **supplement** of 85° .

2. Make a neat sketch of each diagram and find the value of each letter :-



Cumulative Ex 2



1. Find :-

a 3^2

b 13^2

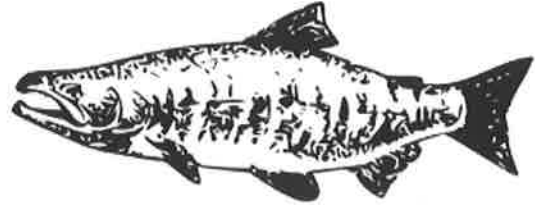
c 3^4

d $\sqrt{121}$

e $\sqrt[7]{128}$

2. Tins of Sea Salmon come in 2 sizes.

- a small 250 g tin costs £4.50
- the large 600 g tin costs £9.60.



Which is better value? *Explain.*

3. For the set of numbers 4, 5 and 6, write down the :-

a **lowest common multiple** (l.c.m.)

b **highest common factor** (h.c.f.).

4. Write down **all** the **prime** numbers between zero and thirty.

5. Write the number 280 as a **product** of its **prime** factors.

6. Shown below are four tables showing the connection between pairs of values.

Write down a **formula** connecting the letters in the form $y = \dots x + \dots$.

a

x	1	2	3	4
y	3	7	11	15

b

x	1	2	3	4
y	-4	-3	-2	-1

7. Find the value of x in these equations :-

a $3x + 10 = 25$

b $5x - 2 = 4x + 5$

c $4(x + 3) = 24$

d $7(3x - 1) = 14$

e $3(x - 4) - x = -8$

f $2(x + 1) = 4(x + 3)$

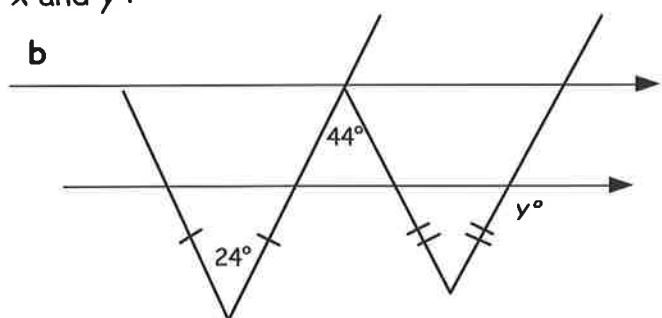
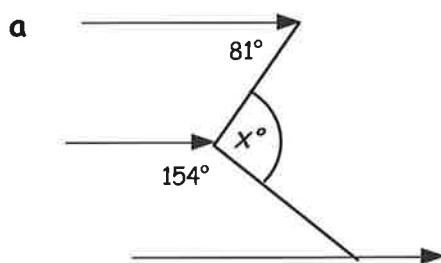
8. Solve each **inequality**, leaving your answer in the form $x < 3$, $x \geq 5$ etc.

a $3x - 11 < 4$

b $4(3x - 2) < 40$

c $\frac{2}{3}(4x - 1) \geq x + 6$.

9. Copy each sketch and find the values of x and y :-



10. I get 625 000 splinkiis for 25 didliis. What is the exchange rate ?