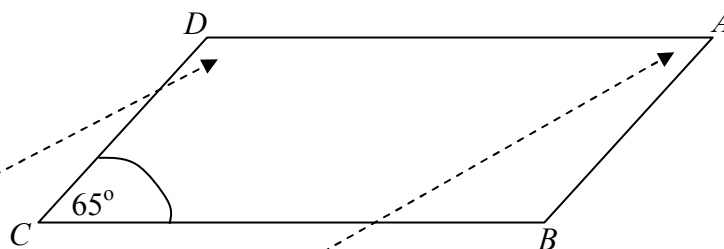


REVISION SHEET 7

CALCULATOR ALLOWED

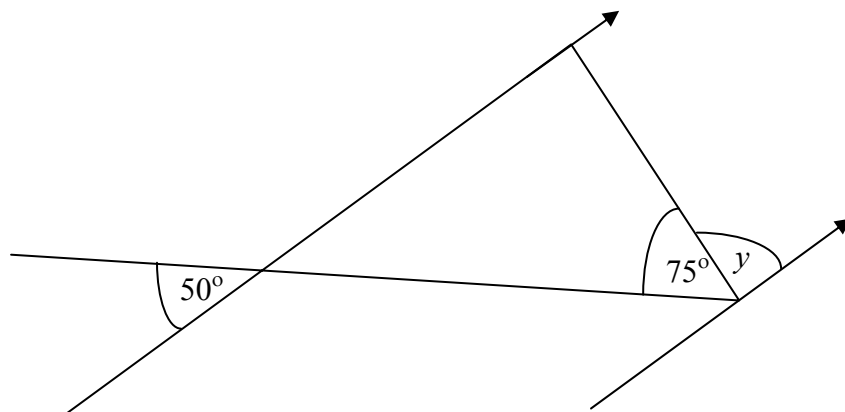
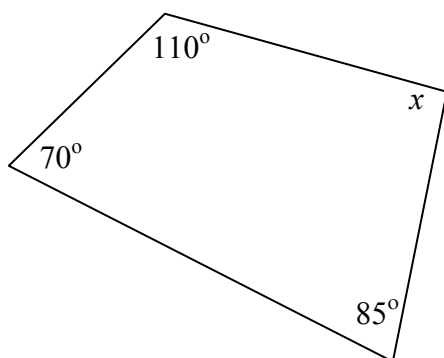
1.
 - a) Calculate 37% of £46.
 - b) The total cost of 8 loaves and 6 cakes is £14.74. One loaf costs 92 pence. Find the cost of one cake.
 - c) What percentage of £350 is £70 ?
 - d) What percentage of £320 is £45 ?

2. $ABCD$ is a **parallelogram**. Angle $BCD = 65^\circ$.

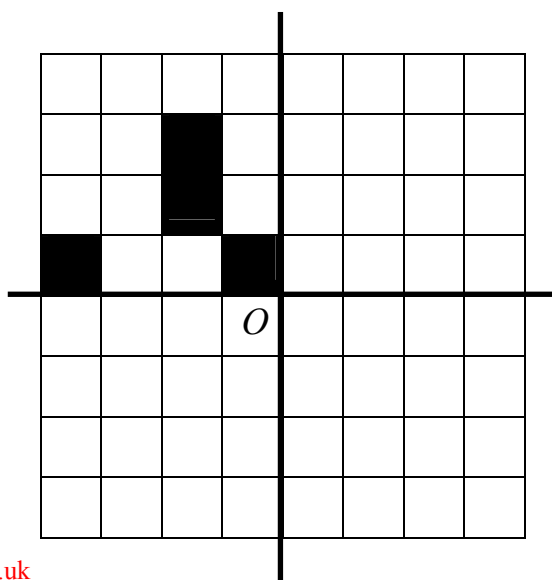


- i) Find angle ADC .
 - ii) Find angle DAB .

3. Write down the size of the angles marked x, y in each of the following diagrams.



4. Draw patterns like the given one in each of the other 3 sections so that the completed pattern has rotational symmetry of order 4 about O .

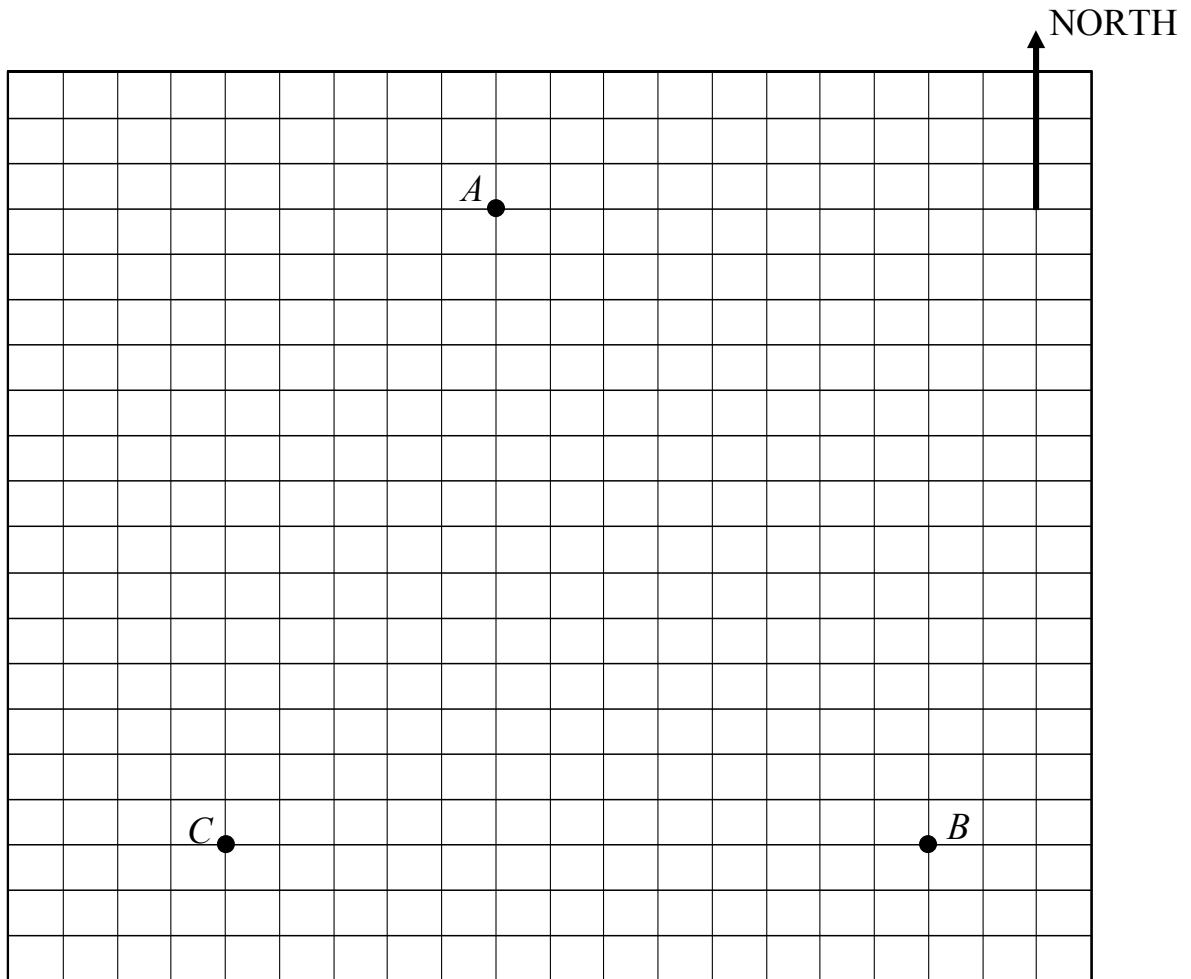


5. The favourite colours of each of 80 students was noted. The results were as follows.

Colour	Number of students
Red	20
Blue	18
Yellow	32
Green	10

Draw a pie chart to illustrate these results.

You should show how you calculate the angles of your pie chart.



6. In the above diagram, A , B and C represent the position of 4 towns on a grid. Find the following bearings.

a) B from A b) C from A c) A from B d) C from B .

7. Another town, D , is due East of C and on a bearing of 155°N from A . Plot, as accurately as you can, the position of this town.

8. Solve the following equations.

a) $5x + 11 = 31$

b) $8(x - 5) = 28$

ANSWERS.

1. a) £17.02 b) £1.23 c) 20% d) 14.0625%.
2. i) 115° ii) 65° .
3. $x = 95^\circ$, $y = 55^\circ$.
5. Red = 90° , Blue = 81° , Yellow = 144° , Green = 45° .
8. a) $x = 4$ b) $x = 8.5$.