6. In a survey, the type of central heating used by 240 households was as shown in the table.
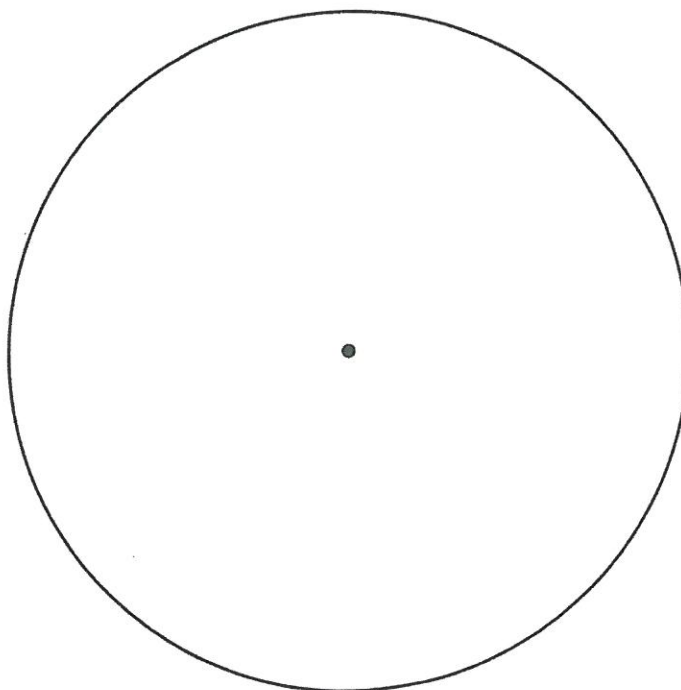
Type of central heating	Number of households
Solid fuel	46
Gas	54
Electricity	30
Oil	90
None	20

Draw a pie chart to illustrate these results. You should show how you calculate the angles of your pie chart.

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[4]

Turn over.

7. The table shows the way in which £120, collected in a lottery, was distributed.

Category	Amount (£)
Prizes	56
Tax	18
Good causes	36
Profit	10

Draw a pie chart to illustrate this data. You should show how you calculate the angles of your pie chart.
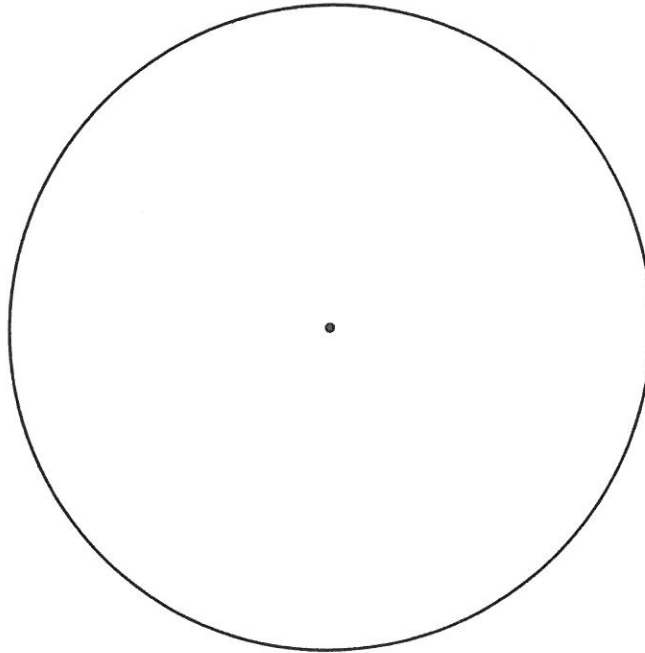

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[4]

11. Shareen surveys the colours of the cars in a car park in Cardiff. This table shows her results.

Colour	White	Black	Green	Yellow	Red
Frequency	10	15	2	4	5

(a) In the circle opposite, draw a pie chart to show the distribution of the colours of the cars.
You must show how you calculate the angles of your pie chart.
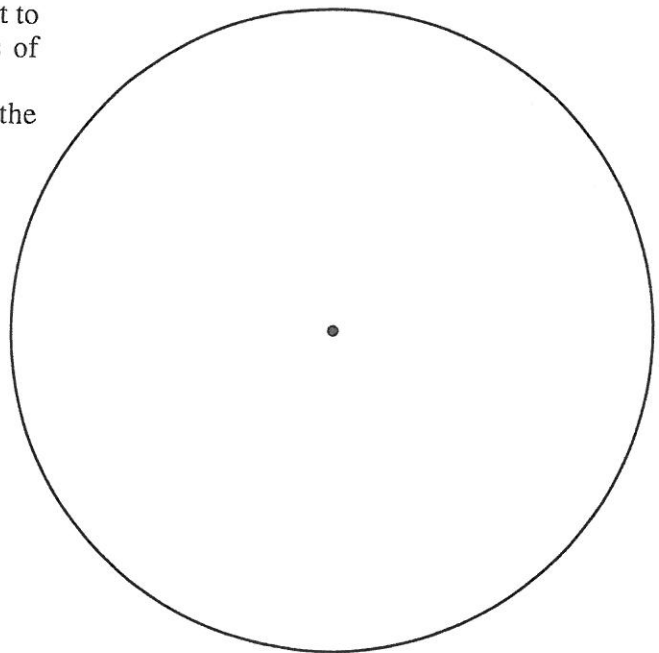
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[3]

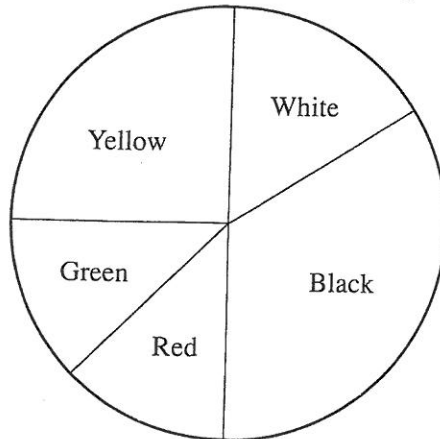*(b)* The pie chart below shows the distribution of the colours of the cars in a car park in Swansea.

Why is it not possible to say whether there were more white cars in the car park in Cardiff than there were in the car park in Swansea?
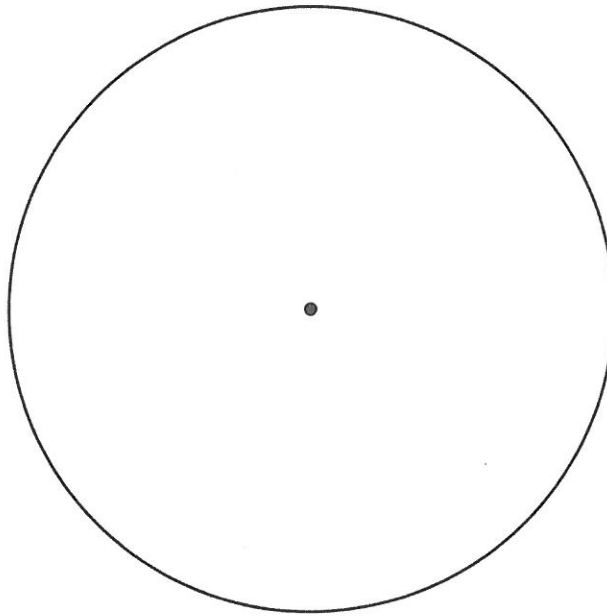
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[1]

Turn over.

5. Year 11 pupils at a certain school were asked to state by what means they usually came to school. Each pupil could only give one answer.
The table gives the responses of the pupils.

Main means of coming to school	Number of pupils
Walk	34
Car	16
Cycle	10
Bus	60

Draw a pie chart to illustrate this data. You should show how you calculate the angles of your pie chart.

[4]

6. Eighty pupils were asked what they drank with their breakfast. Of these pupils, 36 drank tea, 18 drank coffee, 16 drank milk and 10 drank other drinks.

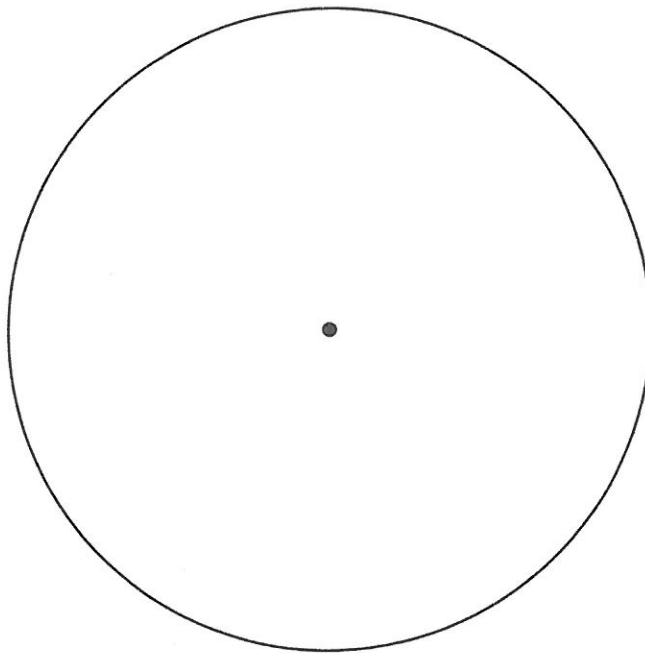*(a)*   What is the probability that a randomly chosen pupil

(i)   drank coffee at breakfast,

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[1]

(ii)   did not drink tea at breakfast?

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[1]

(b)   Draw a pie chart to illustrate the different drinks that the pupils had with their breakfast. You should show how you calculate the angles of your pie chart.

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[4]

Turn over.