Pie charts - reading and drawing

Name:	Class:	Date:

Mark	/ 6	%

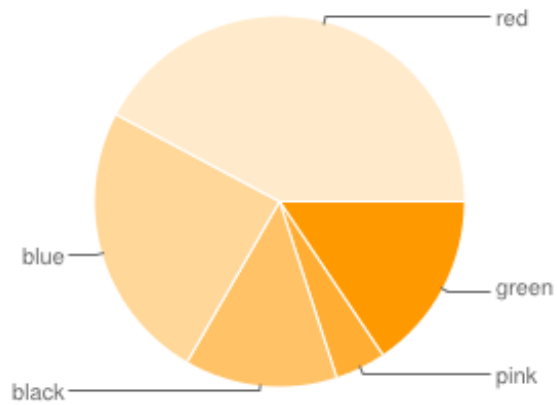**1)** The pie chart shown below shows favourite colours of 90 people.   [1]
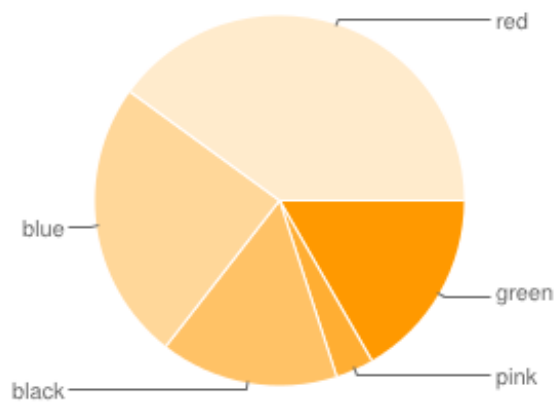

How many people prefer black?

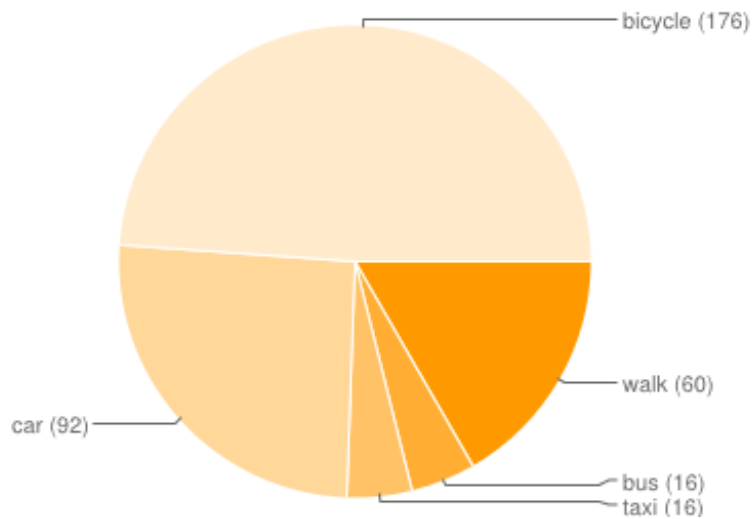**2)** The pie chart shown below shows favourite colours of a group of people.   [1]

14 people prefer black. How many people took part in the survey?

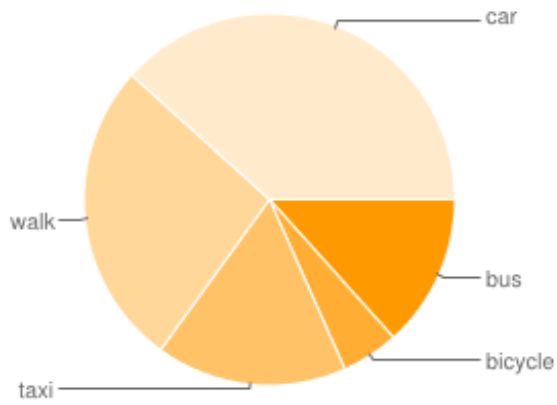**3)** The pie chart below shows how students travel to school (*angles are given in brackets*).   [1]

a) a) What is the most common method of travel?

b) What fraction of the students travel to school by car?

c) 15 students travel by car. How many people took part in the survey?

4) The pie chart below shows how students travel to school.   [1]

a) What is the most common method of travel?

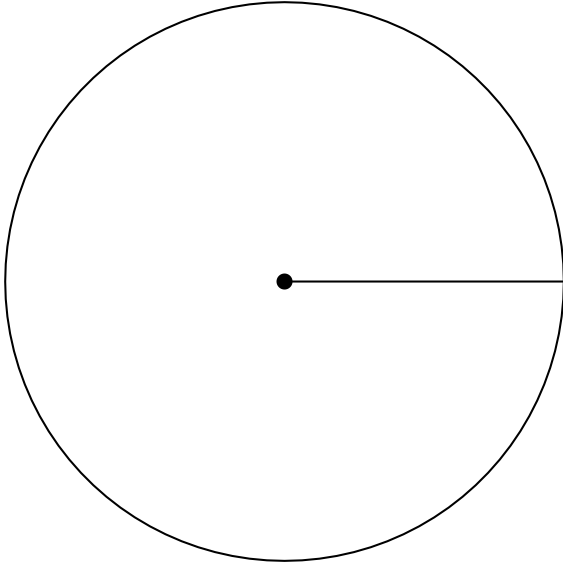b) What is the angle for students who travel by bicycle?

c) What fraction of the students travel to school by car?

d) 8 students travel by car. How many people took part in the survey?

5) The table below shows the favourite colours of 30 people.

Colour	black	red	blue	green	pink
Frequency	4	1	5	8	12

Calculate the angle for each colour and construct a pie chart

[1]

6) The table below shows the favourite car brands of 30 people.

Brand	Toyota	Honda	Ford	VW	BMW
Frequency	5	1	1	8	15

Calculate the angle for each colour and construct a pie chart
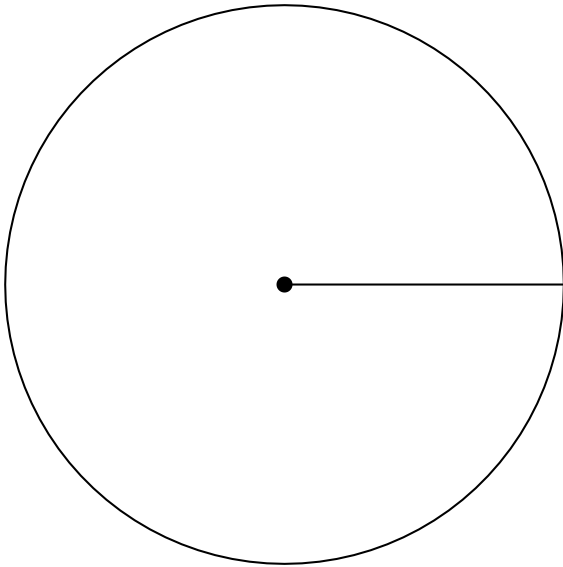
[1]

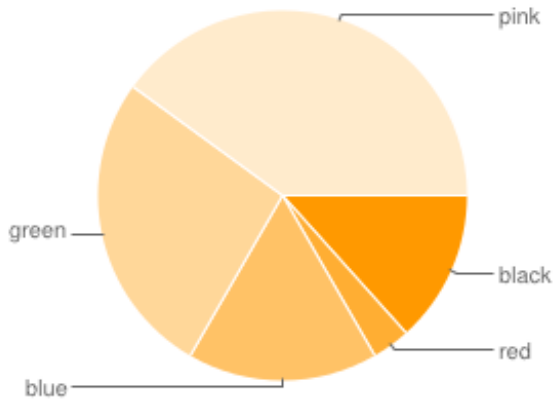**Solutions for the assessment Pie charts - reading and drawing**

1) 12

2) 90

3) a) bicycle, b) 1/6, c) 90

4) a) car, b) 18°, c) 2/15, d) 60

5) black = 48°, red = 12°
blue = 60°, green = 96°, pink = 144°

6) Toyota = 60°, Honda = 12°
Ford = 12°, VW = 96°, BMW = 180°