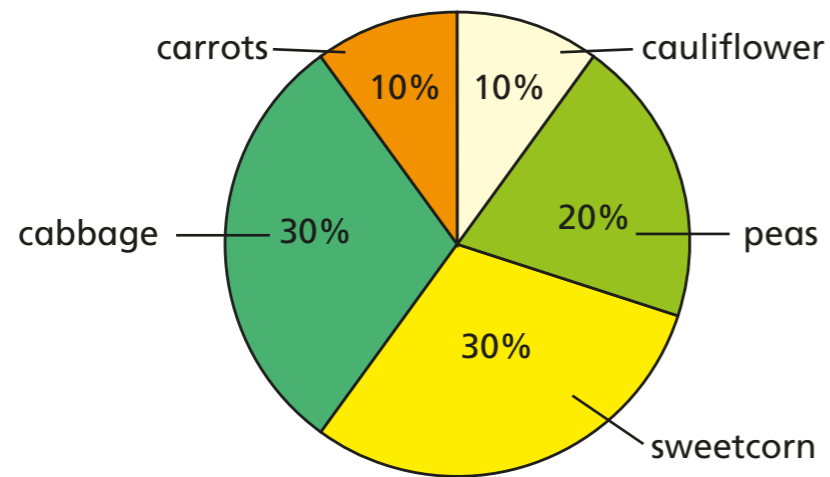# Pie charts with percentages

1 60 children were asked to choose their favourite vegetable from five options.

a) Work out the number of children who chose each vegetable.

carrots [ ]

peas [ ]

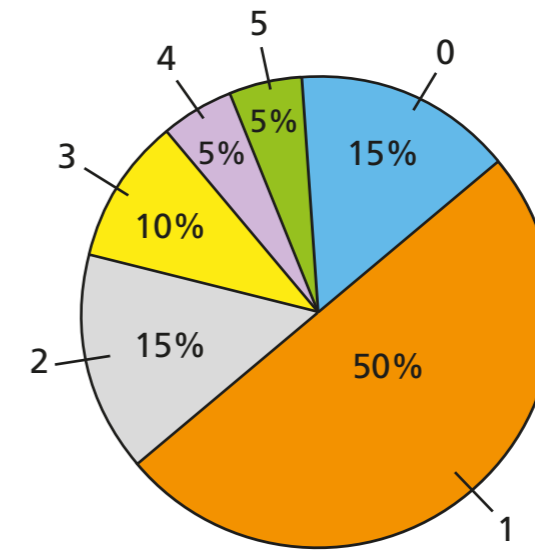sweetcorn [ ]

cabbage [ ]

cauliflower [ ]

b) How many more people chose peas than cauliflower?

[ ]

Compare methods with a partner.

c) How many more people chose sweetcorn or cabbage than chose carrots?
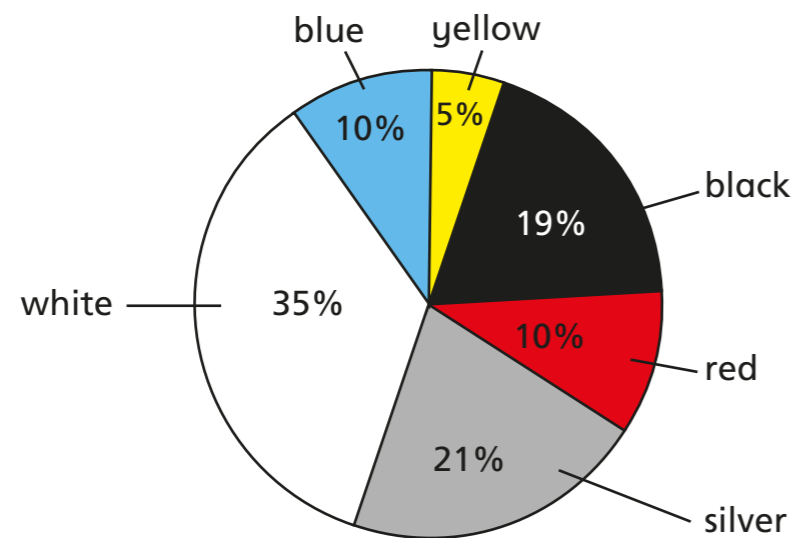
[ ]

Compare methods with a partner.

2 160 people were asked how many siblings they have.

The results are shown in the pie chart.

Complete the table. Show each step of your workings.

Siblings	Frequency

3 The pie chart shows the colours of cars in a car park on one day.

There were 30 yellow cars.

blue   yellow
10%   5%
black
19%
white   35%
10%
red
21%
silver

a) How many cars were in the car park in total?

b) Complete the table.

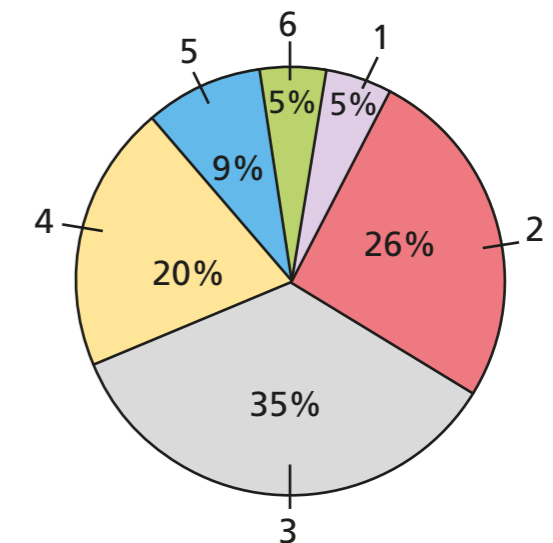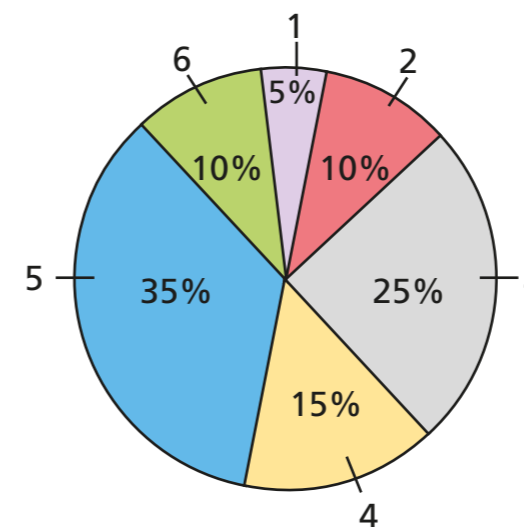| Colour of car	Frequency
yellow	30
black	
red	
silver	
white	
blue	

How can you check your answers?

4 The pie charts show the number of bedrooms in the houses in Sollom and Rufford.

Sollom: 20 houses

1
6   5%   2
10%   10%
5   35%   25%   3
15%
4

Rufford: 1,000 houses

6
5   5% 5%   1
9%
4   26%   2
20%
35%
3

a)
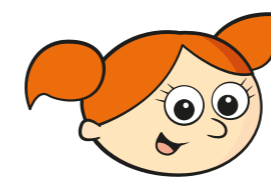
There are twice as many six-bedroom houses in Sollom than in Rufford because 10% is double 5%.

Do you agree with Alex? _____

Explain why.

_____

_____

b) How many more one-bedroom houses are there in Rufford compared to Sollom?