

Good morning y6

This week we are focussing on data-handling.

Today you will be interpreting pie charts.

First of all you need to determine the fractions that the “pies” have been “cut into” then you can use your knowledge that to find a fraction of an amount we divide by the denominator to work out the answers to the questions. Good luck!

## A Pie Chart to Show Children's Favourite Animal



This pie chart represents 40 children.

1. How many children chose dogs as their favourite animal? \_\_\_\_\_
2. How many children chose guinea pigs as their favourite animal? \_\_\_\_\_
3. How many children chose cats as their favourite animal? \_\_\_\_\_
4. How many children chose parrots as their favourite animal? \_\_\_\_\_
5. Which animal was the most popular? \_\_\_\_\_
6. Which animal was the least popular? \_\_\_\_\_
7. Now imagine that there were 80 children asked. The pie chart is exactly the same. How many children would choose:
  - a) dog \_\_\_\_\_
  - b) parrot \_\_\_\_\_
  - c) guinea pig \_\_\_\_\_
  - d) cat \_\_\_\_\_

# A Pie Chart to Show Children's Favourite Season



Spring



Summer



Autumn



Winter



This pie chart represents 400 children.

1. How many children chose spring as their favourite season? \_\_\_\_\_
2. How many children chose summer as their favourite season? \_\_\_\_\_
3. How many children chose autumn as their favourite season? \_\_\_\_\_
4. How many children chose winter as their favourite season? \_\_\_\_\_
5. Which season is the most popular? \_\_\_\_\_
6. Which season is the least popular? \_\_\_\_\_
7. Now imagine that there were 120 children asked. The pie chart is exactly the same. How many children would choose:
  - a) Spring \_\_\_\_\_
  - b) Summer \_\_\_\_\_
  - c) Autumn \_\_\_\_\_
  - d) Winter \_\_\_\_\_

## Answers

### A Pie Chart to Show Children's Favourite Animal

1. 5

2. 20

3. 5

4. 10

5. Guinea pig

6. Cats and dogs

7. a) 10

b) 20

c) 40

d) 10

### A Pie Chart to Show Children's Favourite Season

1. 100

2. 200

3. 50

4. 50

5. Summer

6. Autumn and Winter

7. a) 30

b) 60

c) 15

d) 15