A Pie Chart to Show Children's Favourite Animal

● Dog

● Parrot

● Guinea Pig
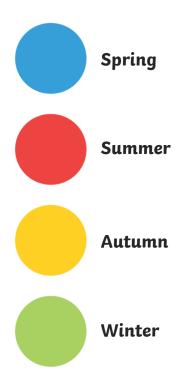
● Cat

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 _____

c) guinea pig _____

b) parrot _____

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:
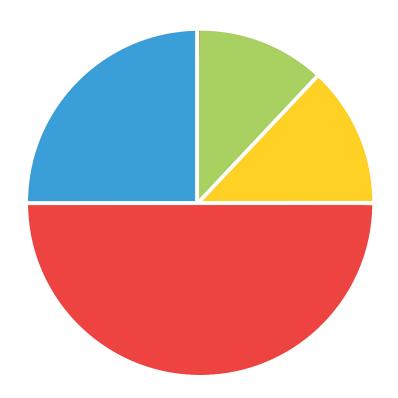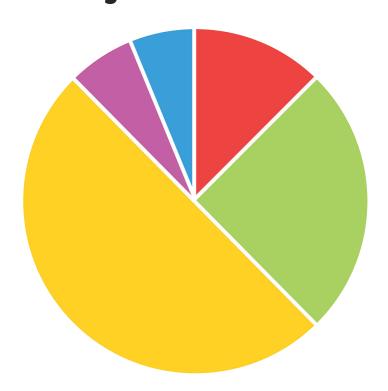
a) Spring _____   c) Autumn _____

b) Summer _____   d) Winter _____

A Pie Chart to Show Children's Favourite Subject

Art

History

English

PE

IT

This pie chart represents 80 children.

1. How many children chose Art as their favourite subject? _____

2. How many children chose History as their favourite subject? _____

3. How many children chose English as their favourite subject? _____

4. How many children chose PE as their favourite subject? _____

5. What definite conclusions can we make from this data? _____
_____
_____

6. Now imagine that there were 128 children asked. The pie chart is exactly the same. How many children would choose:
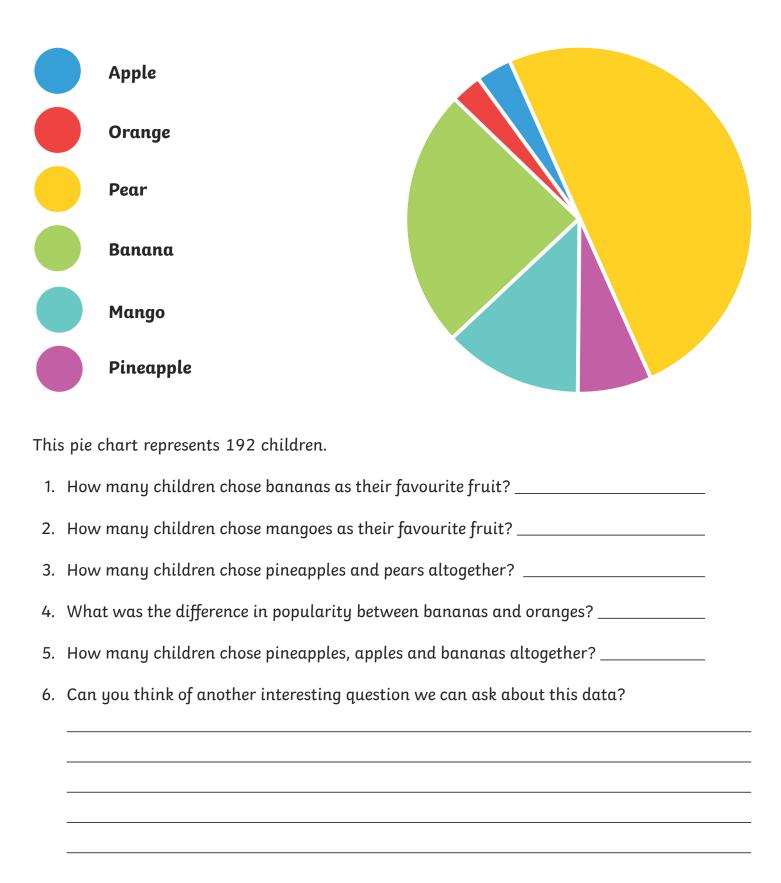
a) Art _____   d) PE _____
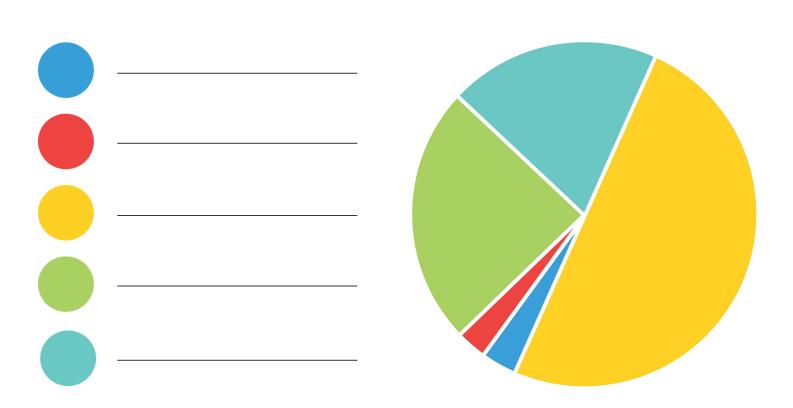
b) History _____   e) IT _____

c) English _____

A Pie Chart to Show Children's Favourite Fruit

- Apple
- Orange
- Pear
- Banana
- Mango
- Pineapple

This pie chart represents 192 children.

1. How many children chose bananas as their favourite fruit? _____

2. How many children chose mangoes as their favourite fruit? _____

3. How many children chose pineapples and pears altogether? _____

4. What was the difference in popularity between bananas and oranges? _____

5. How many children chose pineapples, apples and bananas altogether? _____

6. Can you think of another interesting question we can ask about this data?

_____

_____

_____

_____

_____

A Pie Chart to Show Children's

_____

- 🔵 _____
- 🔴 _____
- 🟡 _____
- 🟢 _____
- 🔵 _____

This pie chart represents _____ children.

Task: Using the pie chart above create your own set of data and questions about the data. You can choose how many children were asked.

Don't forget to add the chart title and data labels.

You must be able to answer your own questions (but don't write them on the sheet - keep them to yourself for now).

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

A Pie Chart to Show Children's Favourite Subject

1. 5

2. 10

3. 40

4. 20

Answers

5. Accept any definite conclusions, such as:

English is the most popular subject.

Art and IT are the least popular subjects.

Half of the pupils said English is their favourite subject.

A quarter of pupils said PE is their favourite subject.

6.   **a)** 8   **b)** 16   **c)** 64   **d)** 32   **e)** 8

A Pie Chart to Show Children's Favourite Fruit

1. 48

2. 24

3. 12

4. 42

5. 66

6. Pupil's own responses, such as:

- How many more children chose pears than bananas?

- Which fruit is the most popular?

- Which fruit is the least popular?

A Pie Chart to Show Children's _____

Children's own responses