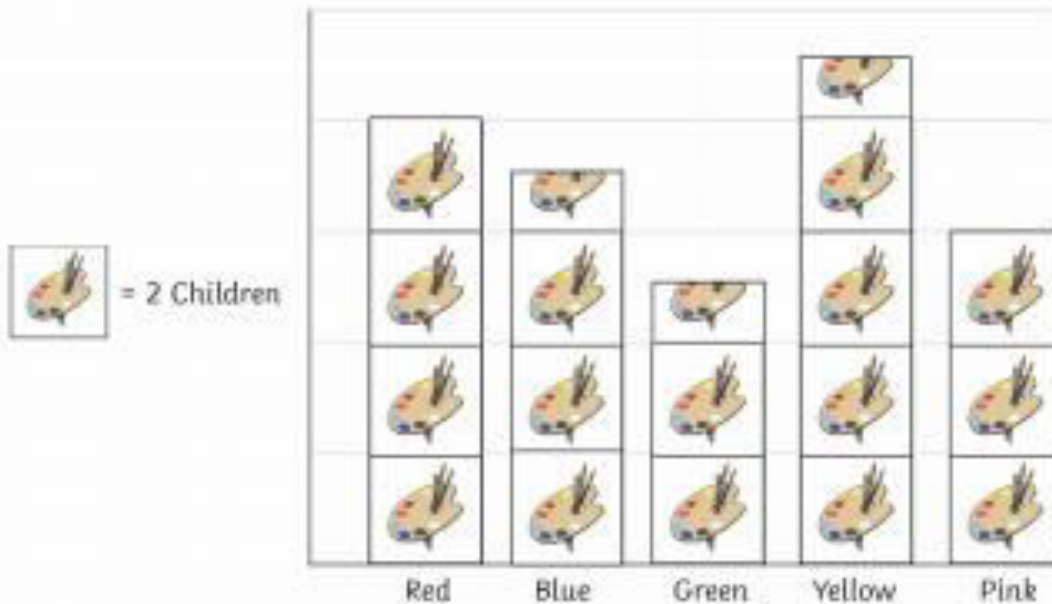


# Interpreting Scaled Pictograms

Learning Objective: I can interpret scaled pictograms

Favourite Colour



Answer the following questions.

1. What is the least favourite colour?

2. How many children chose yellow as their favourite colour?

3. How many fewer children chose green than blue as their favourite colour?

4. How many children chose pink and red as their favourite colour?

Write your own questions for a friend.

---

---

---

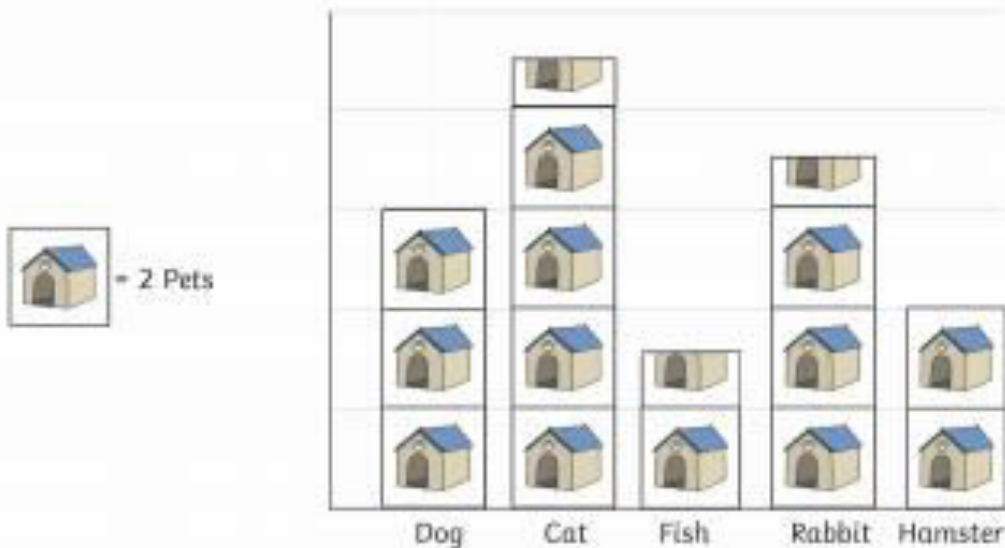
---

---

# Interpreting Scaled Pictograms

Learning Objective: I can interpret scaled pictograms

Class Pets



Answer the following questions.

1. Which is the most common pet?

2. How many pets are there in the class?

3. How many more rabbits than hamsters are there?

4. How many fewer dogs than cats are there?

Write your own questions for a friend.

---

---

---

---

---

# Interpreting Scaled Pictograms

## Answers

### Favourite Colour

1. What is the least favourite colour? **green**
2. How many children chose yellow as their favourite colour? **9**
3. How many fewer children chose green than blue as their favourite colour? **2**
4. How many children chose pink and red as their favourite colour? **14**

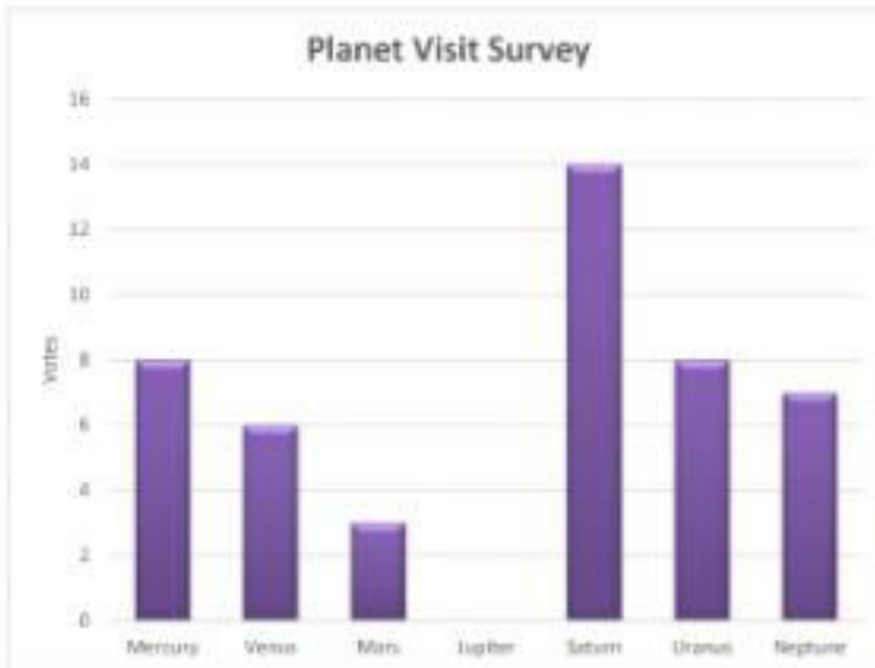
### Class Pets

1. Which is the most common pet? **cat**
2. How many pets are there in the class? **29**
3. How many more rabbits than hamsters are there? **3**
4. How many fewer dogs than cats are there? **3**

## BAR GRAPHS SHEET 3A - PLANET SURVEY



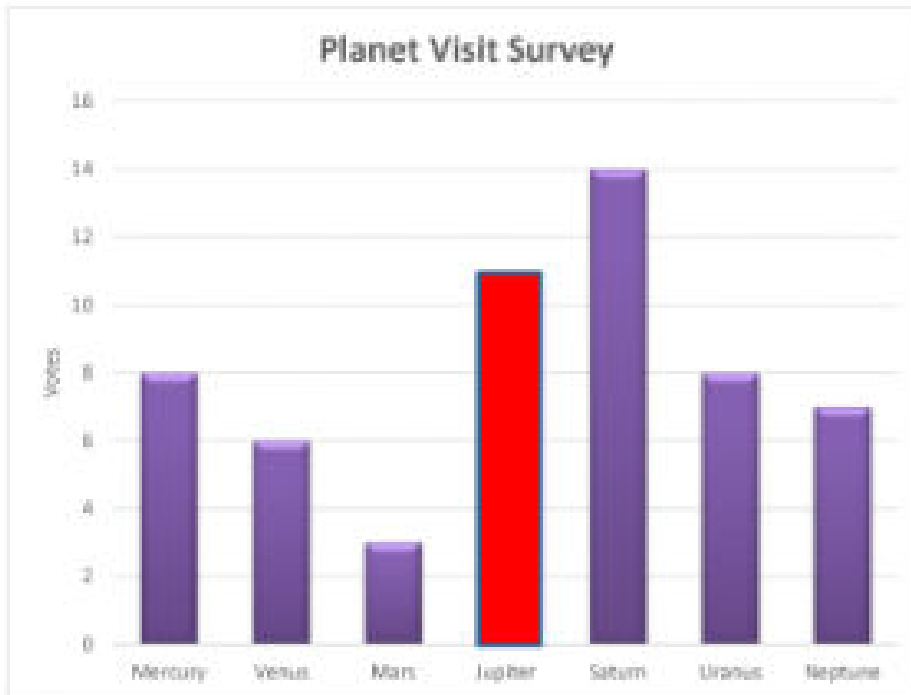
Each child in Newt class selected two planets that they would like to visit.



Planet	Votes
Mercury	
Venus	6
Mars	3
Jupiter	11
Saturn	14
Uranus	8
Neptune	

- 1) Fill in the missing data in the table for Mercury and Neptune.
- 2) Draw a bar to show how many votes Jupiter got.
- 3) Which was the most popular planet to visit? \_\_\_\_\_
- 4) How many more votes did Saturn get than Uranus? \_\_\_\_\_
- 5) How many more votes did Mercury get than Mars? \_\_\_\_\_
- 6) Saturn got more votes than the 3 least popular planets put together.  
True or false? \_\_\_\_\_
- 7) Which two planets got the same number of votes?  
\_\_\_\_\_

## BAR GRAPHS SHEET 3A - PLANET SURVEY ANSWERS



Planet	Votes
Mercury	8
Venus	6
Mars	3
Jupiter	11
Saturn	14
Uranus	8
Neptune	7

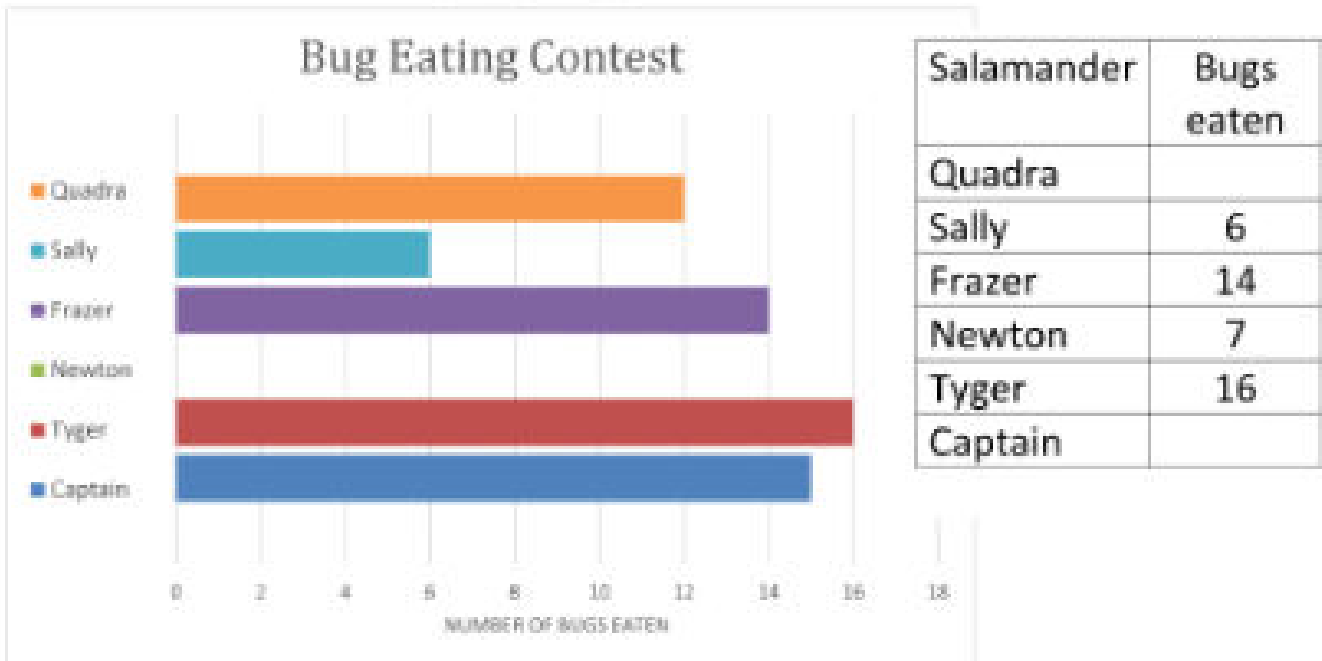
- 1) Fill in the missing data in the table for Mercury and Neptune.
- 2) Draw a bar to show how many votes Jupiter got.
- 3) Which was the most popular planet to visit? Saturn
- 4) How many more votes did Saturn get than Uranus? 6
- 5) How many more votes did Mercury get than Mars? 5
- 6) Saturn got more votes than the 3 least popular planets. True or false? False. Mars + Venus + Neptune = 3+6+7 = 16. Saturn = 14
- 7) Which two planets got the same number of votes?

Mercury & Uranus

## BAR GRAPHS SHEET 3B - BUG EATING CONTEST

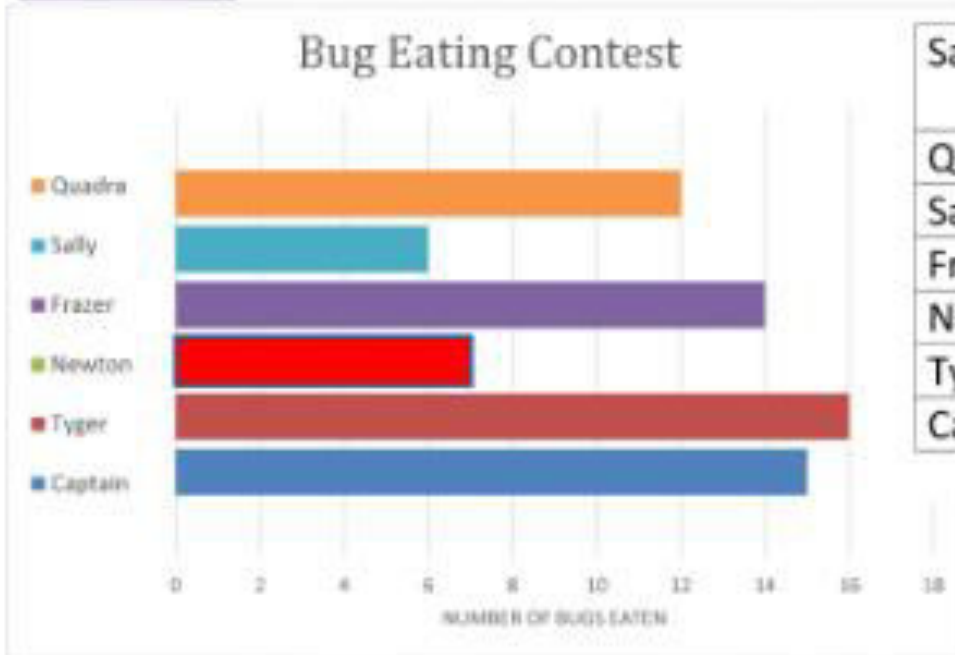


The Salamanders had a bug-eating contest. Each salamander was given a minute to see how many bugs they could eat. Here are the results.



- 1) Fill in the missing data in the table for Quadra and Captain.
- 2) Draw a bar to show how many bugs Newton ate.
- 3) Which salamander ate the most bugs? \_\_\_\_\_
- 4) How many more bugs did Quadra eat than Sally? \_\_\_\_\_
- 5) How many more bugs did Tyger eat than Newton? \_\_\_\_\_
- 6) Captain ate more bugs than Sally and Quadra put together. Is this true or false? \_\_\_\_\_
- 7) Which 2 salamanders ate exactly 20 bugs altogether? \_\_\_\_\_

## BAR GRAPHS SHEET 3B - BUG EATING CONTEST ANSWERS



Salamander	Bugs eaten
Quadra	<u>12</u>
Sally	6
Frazer	14
Newton	7
Tyger	16
Captain	<u>15</u>

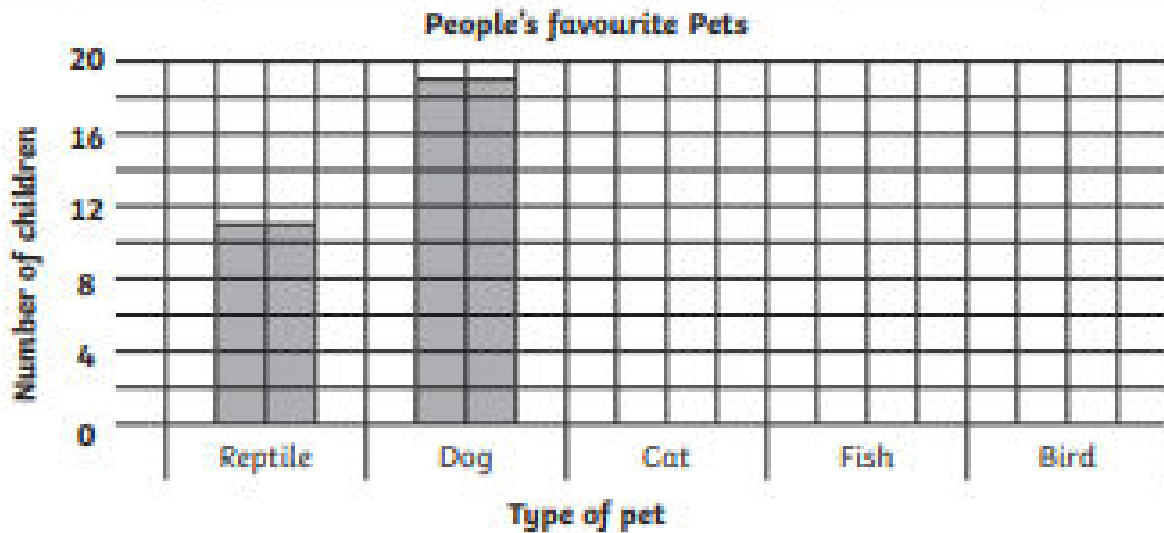
- 1) Fill in the missing data in the table for Quadra and Captain.
- 2) Draw a bar to show how many bugs Newton ate.
- 3) Which salamander ate the most bugs? Tyger
- 4) How many more bugs did Quadra eat than Sally? 6
- 5) How many more bugs did Tyger eat than Newton? 9
- 6) Captain ate more bugs than Sally and Quadra put together. Is this true or false? False. Sally + Quadra = 6+12 = 18. Captain ate 15.
- 7) Which 2 salamanders ate exactly 20 bugs altogether? Frazer and Sally

# Bar Charts

I can draw bar charts.

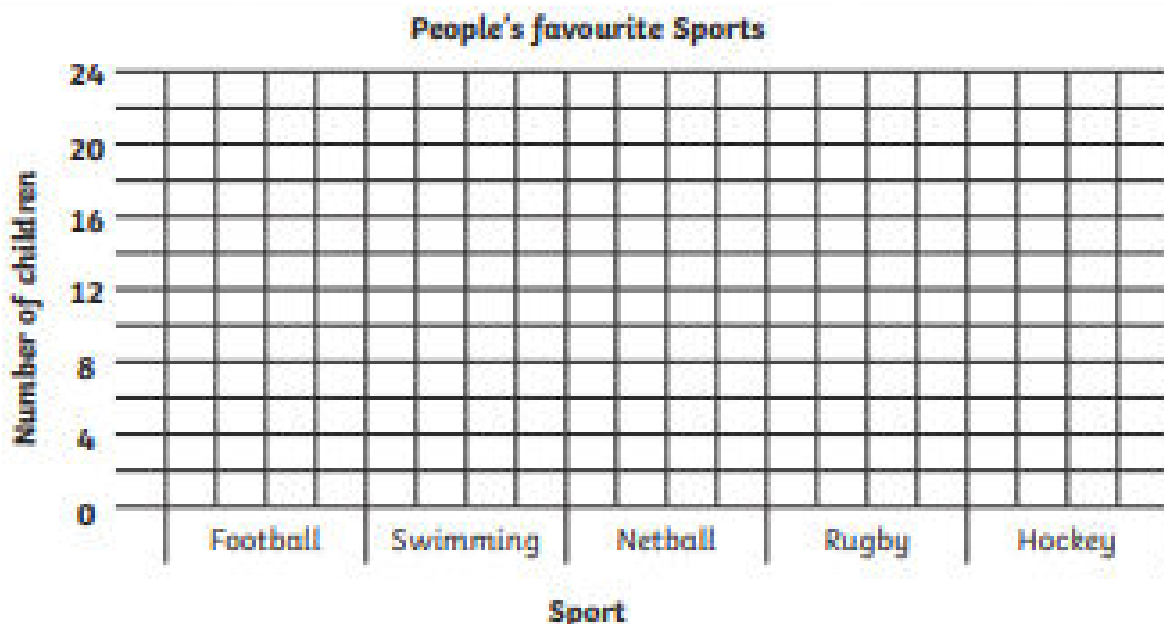
1. A group of children record their favourite pets. Here are the results. Complete the bar chart and table using the information given below.

Favourite Pet	Reptile	Dog	Cat	Fish	Bird
Number of Children			18	8	9



2. The favourite sport of some children is recorded. Here are the results. Complete the bar chart on the grid below from the given information.

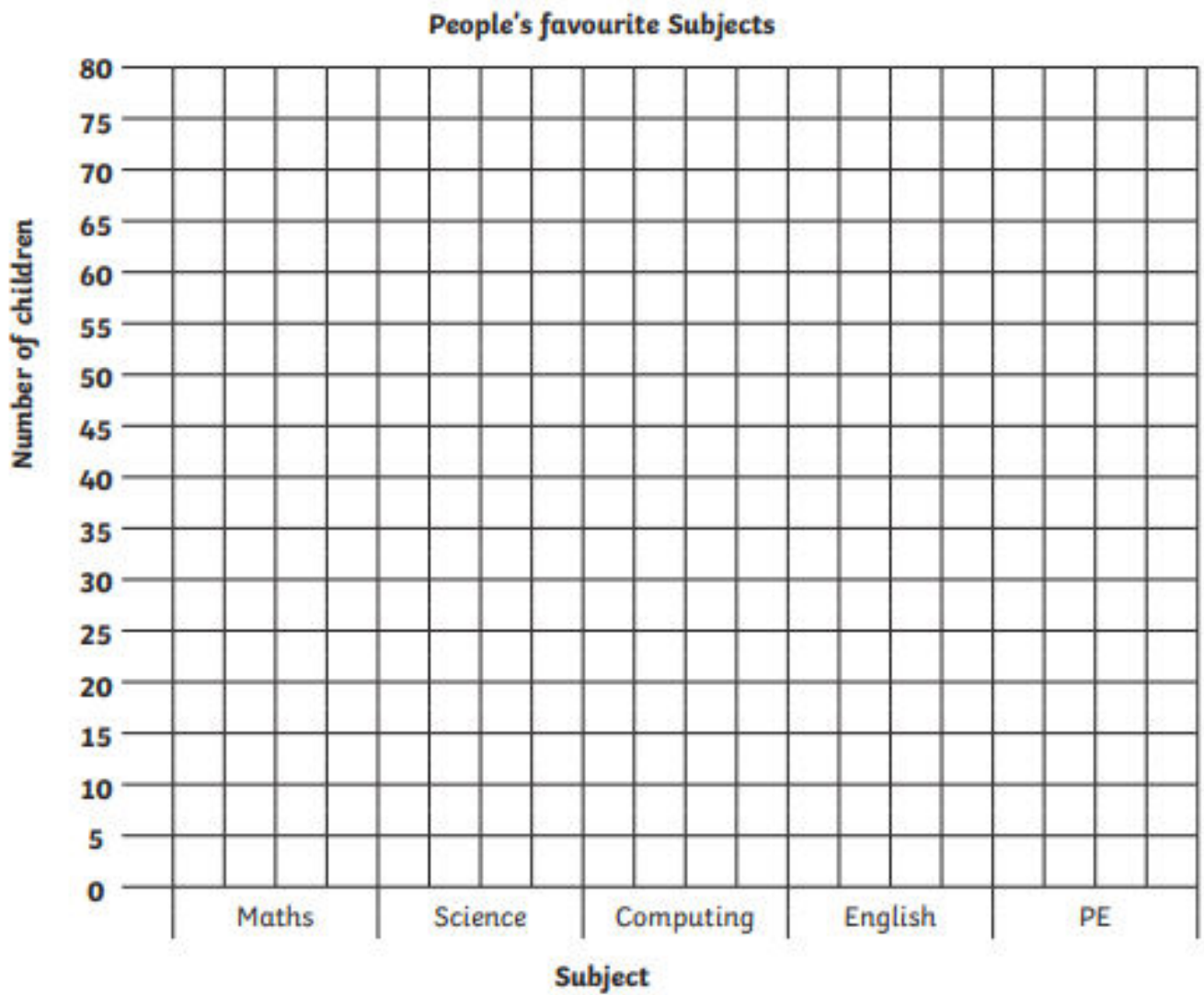
Favourite Sport	Football	Swimming	Netball	Rugby	Hockey
Number of Children	24	18	10	13	6





3. The favourite subject of all the children in a school is collected. Here are the results.  
Complete the bar chart on the grid below from the given information. Decide on a scale that fits the grid given.

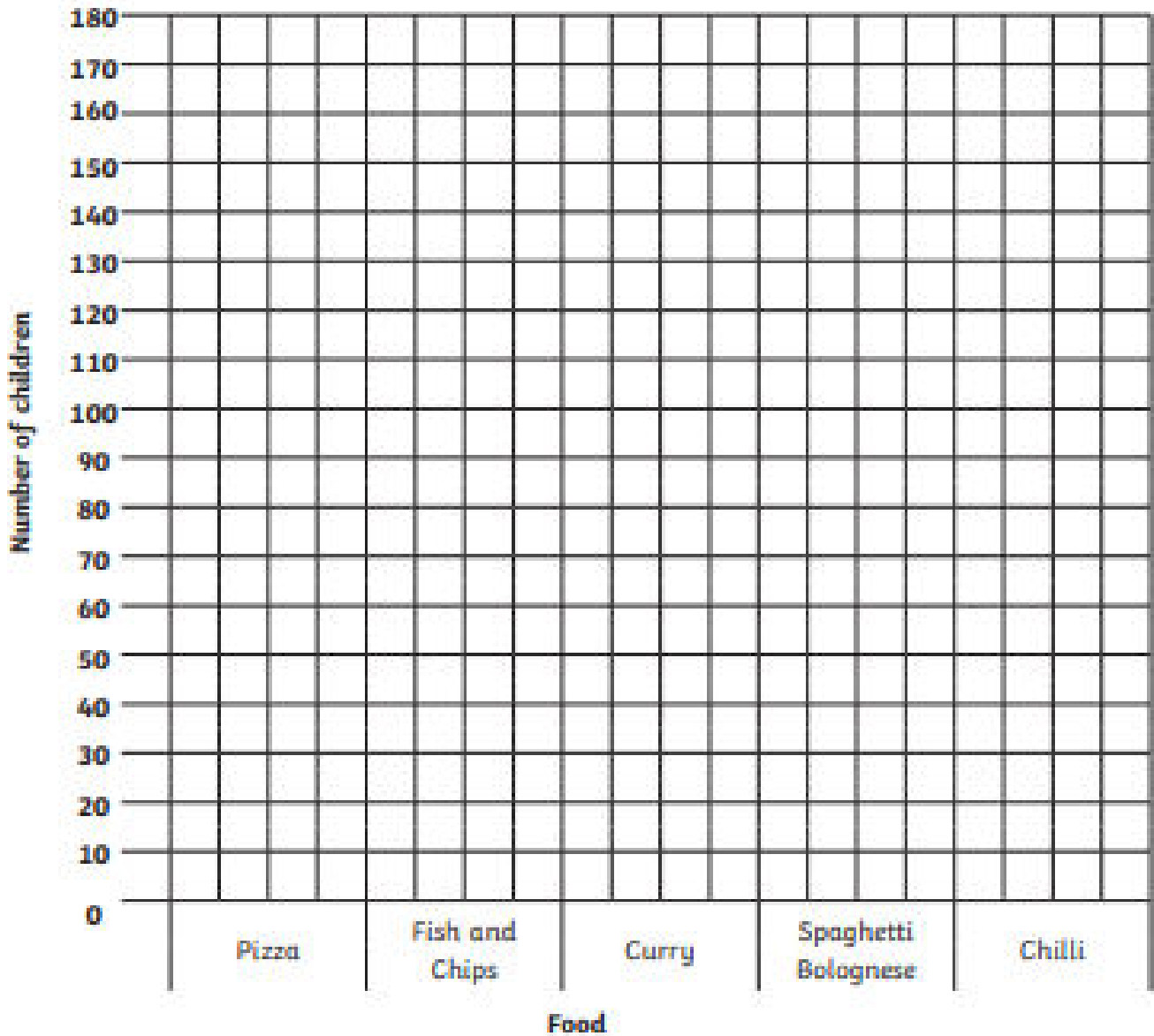
Favourite Subject	Maths	Science	Computing	English	PE
Number of Children	76	52	69	38	44



4. The favourite food of children in town is collected. Here are the results.  
Complete the bar chart on the grid below from the given information.

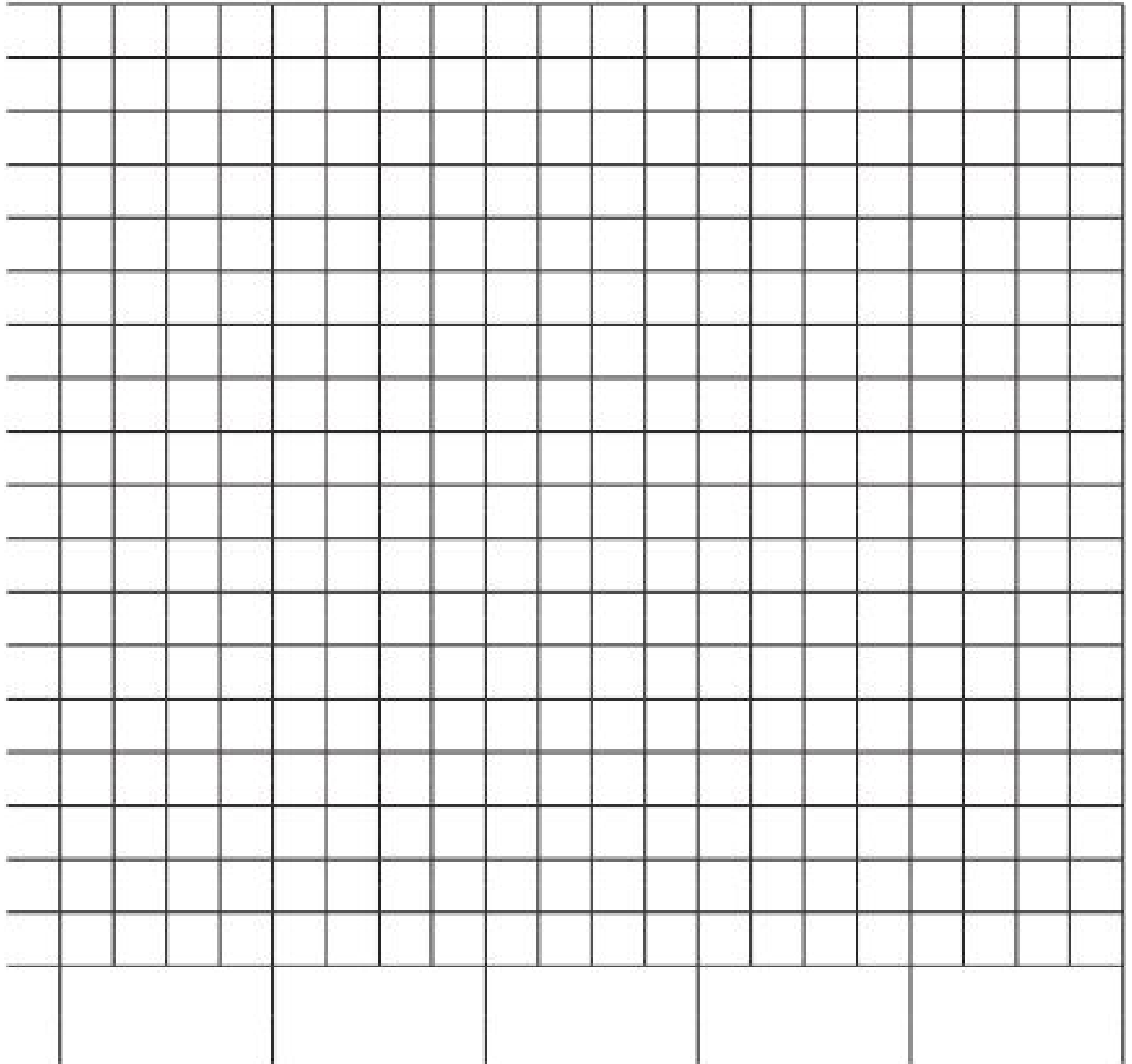
Favourite Food	Pizza	Fish and Chips	Curry	Spaghetti Bolognese	Chilli
Number of Children	167	134	98	61	74

**People's favourite Foods**



5. Conduct your own research to a question and present your results in a bar chart.

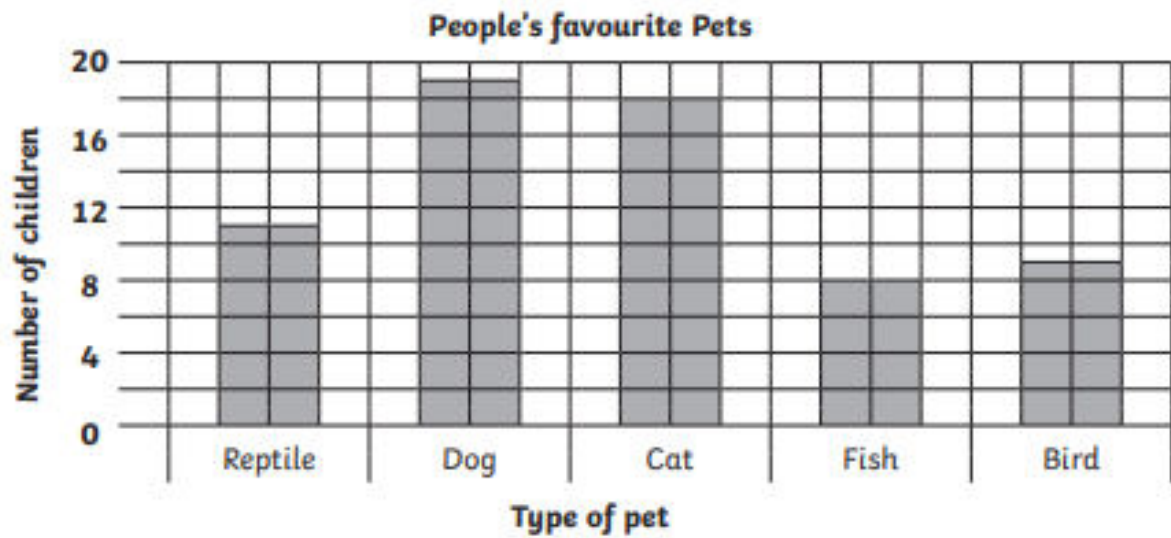
---

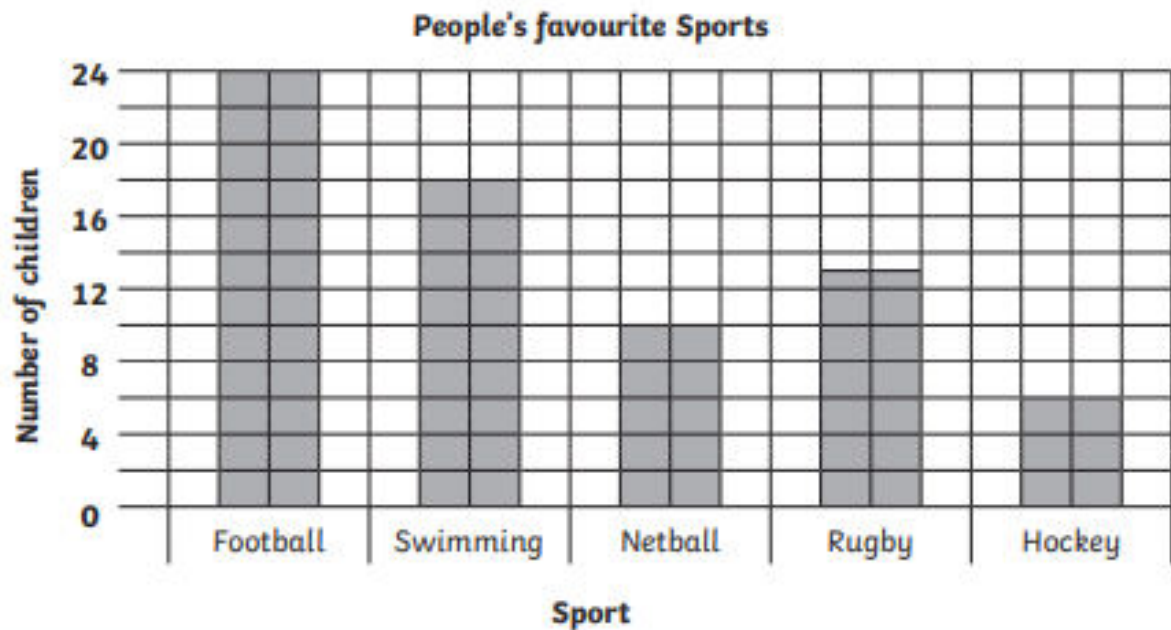
# Bar Charts - Answers

1.

Favourite Pet	Reptile	Dog	Cat	Fish	Bird
Number of Children	11	19	18	8	9

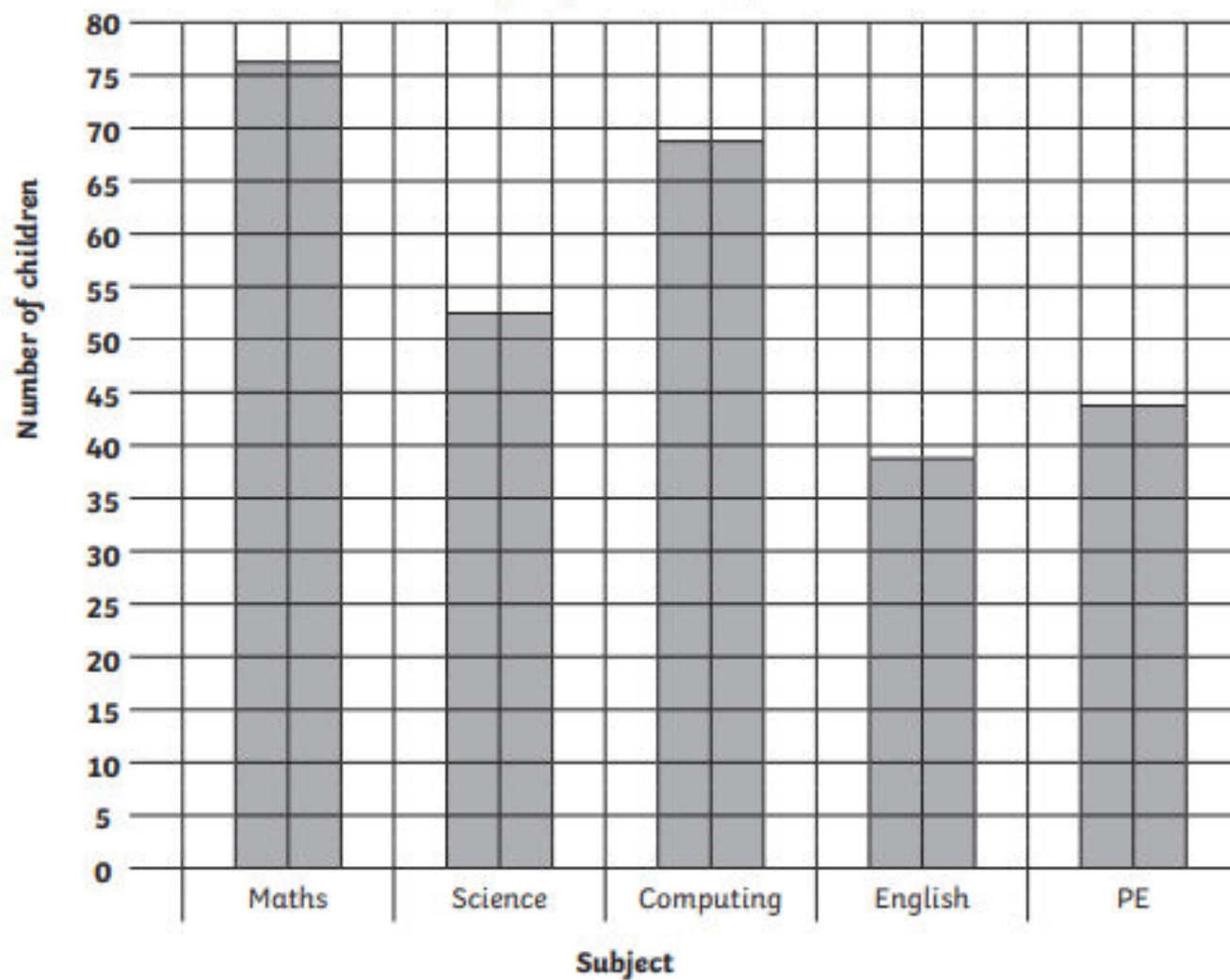


2.



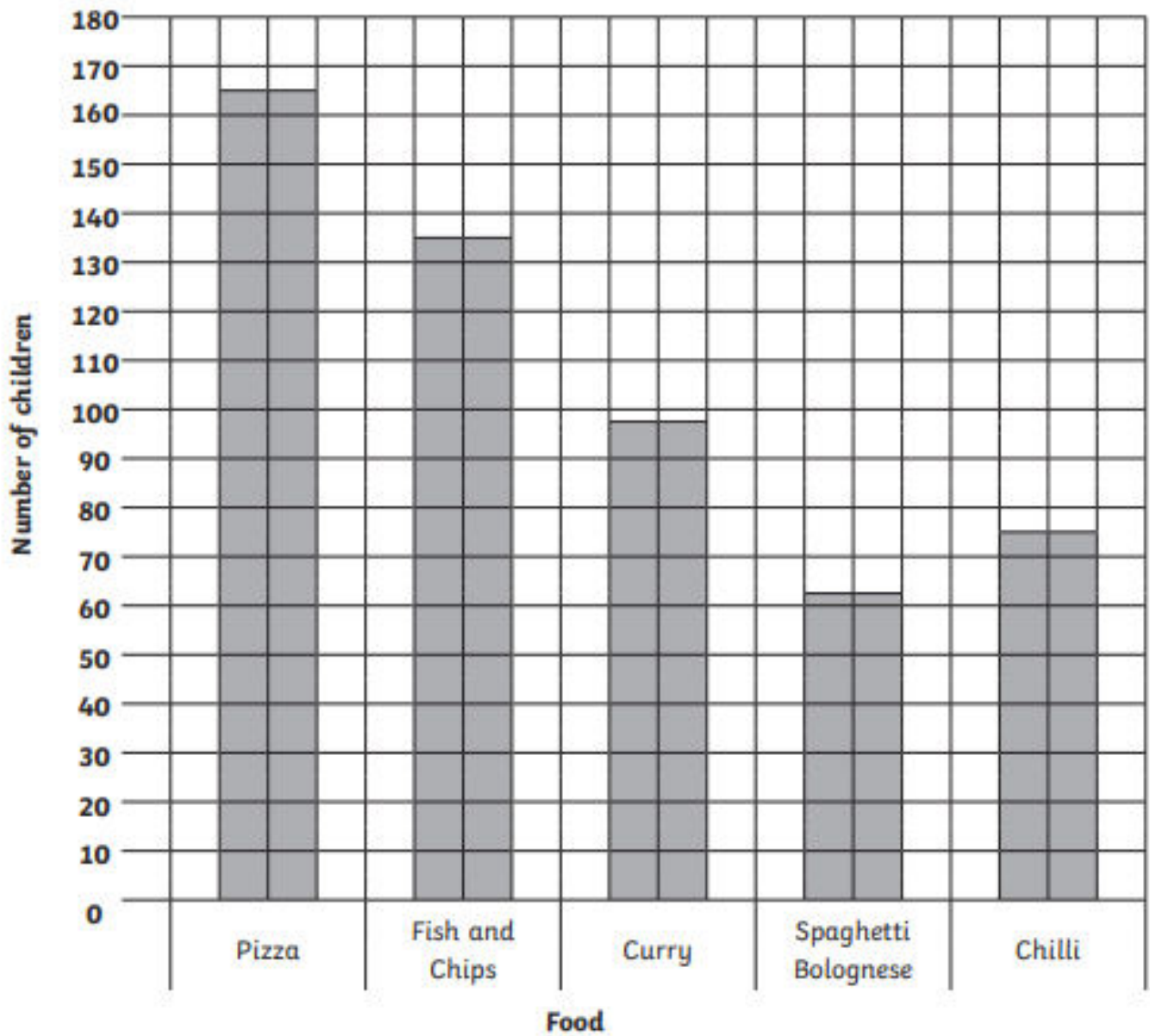
3.

**People's favourite Subjects**



4.

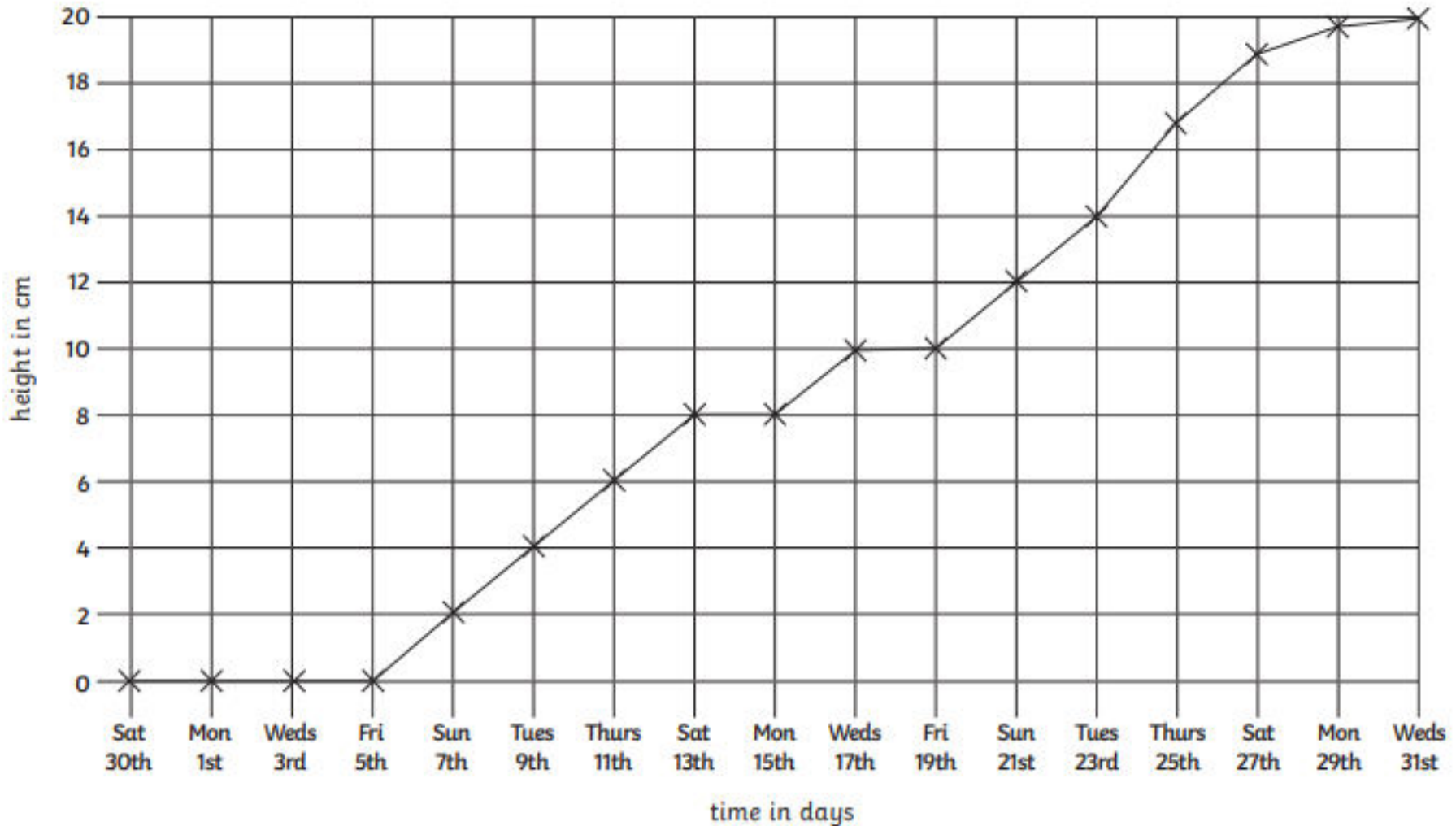
People's favourite Foods



5. Answers will vary.

# Sunflower Line Graph

Here is a line graph showing a sunflower's growth. It was planted on Saturday 30th July and its height was measured every 2 days.



# Sunflower Line Graph

## Questions

1. How many days did the plant take to grow 8cm?

---

2. What is the height difference between Wednesday 17th and Tuesday 23rd?

---

3. What is the height of the plant on these days:

a) Thursday 11th

b) Friday 19th

c) Monday 29th

4. Why do you think there is no measurement in the first week?

---

---

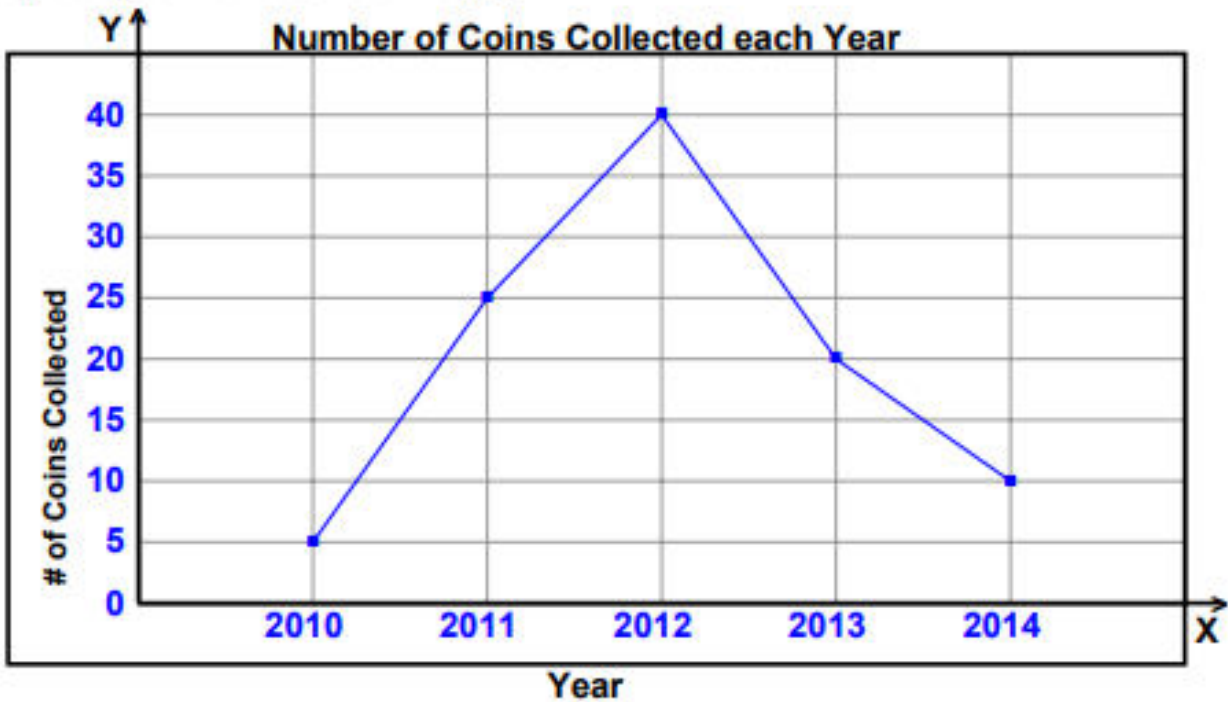


# Sunflower Line Graph

## Answer Sheet

1. How many days did the plant take to grow 8cm?  
**14 days.**
2. What is the height difference between Wednesday 17th and Tuesday 23rd?  
**4cm.**
3. What is the height of the plant on these days:  
Thursday 11th      **6cm**  
Friday 19th        **10cm**  
Monday 29th       **19.5cm**
4. Why do you think there is no measurement in the first week?  
**The plant has not grown in the first week.**

Graph the given information as a line graph.



How many coins were collected in 2011? \_\_\_\_\_

How many coins were collected in 2013? \_\_\_\_\_

Did the number of coins collected incr. or decr. between 2012 and 2013? \_\_\_\_\_

Were more coins collected in 2012 or 2014? \_\_\_\_\_

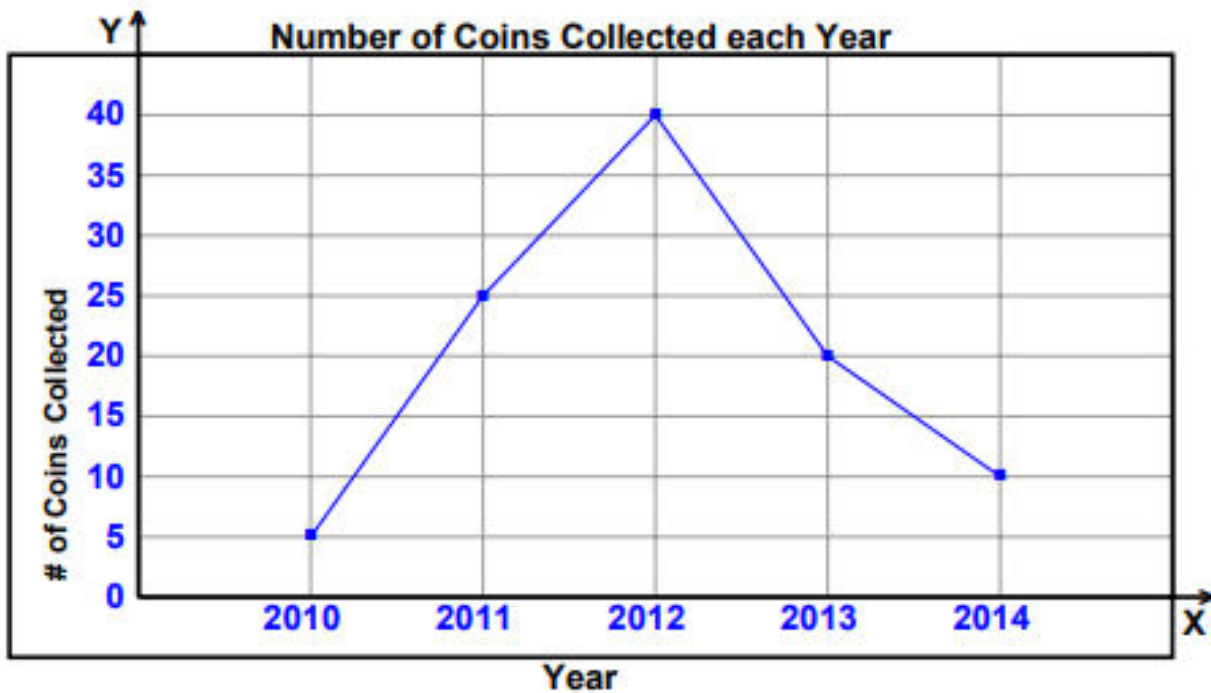
Which year had the greatest number of coins collected? \_\_\_\_\_

How many more coins were collected in 2012 compared to the year before? \_\_\_\_\_

How many coins were collected over the 5 years in total? \_\_\_\_\_

ANSWERS

Graph the given information as a line graph.



How many coins were collected in 2011? 25

How many coins were collected in 2013? 20

Did the number of coins collected incr. or decr. between 2012 and 2013? Decrease

Were more coins collected in 2012 or 2014? 2012

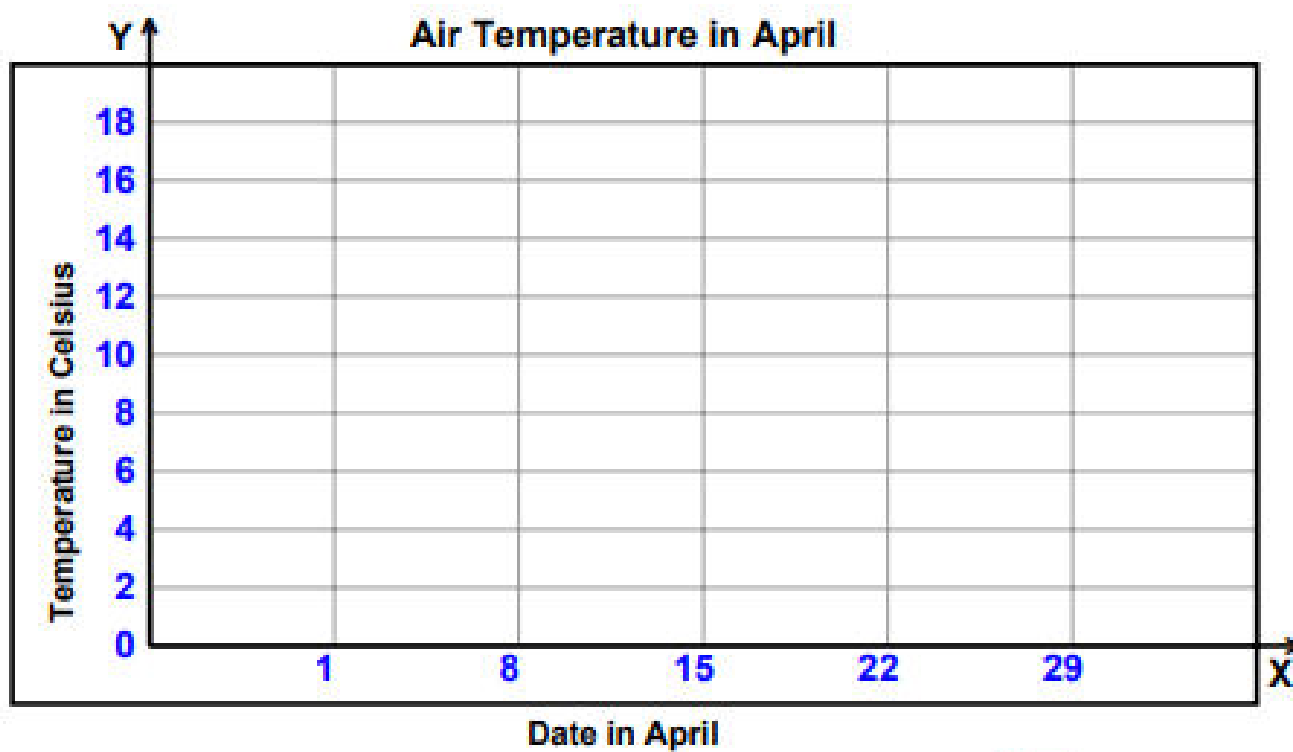
Which year had the greatest number of coins collected? 2012

How many more coins were collected in 2012 compared to the year before? 15

How many coins were collected over the 5 years in total? 100

Graph the given information as a line graph.

Date in April	Temperature in Celsius
1	2
8	8
15	6
22	10
29	12



ANSWERS

Graph the given information as a line graph.

Date in April	Temperature in Celsius
1	2
8	8
15	6
22	10
29	12

