

# Year 4 SUPPORT Maths

Remote learning

Week beginning

Monday 1st

March 2021

This pack contains:

- Completed activity for teaching
- 5 lessons with tasks

You will then need to bring in your homework book when you return to school. The teacher will then be able to give you feedback on the work.

# Lesson 1 - Teaching

## Can I understand Bar Graphs and read the data?

Starter: What numbers are represented by the tallies in this table?

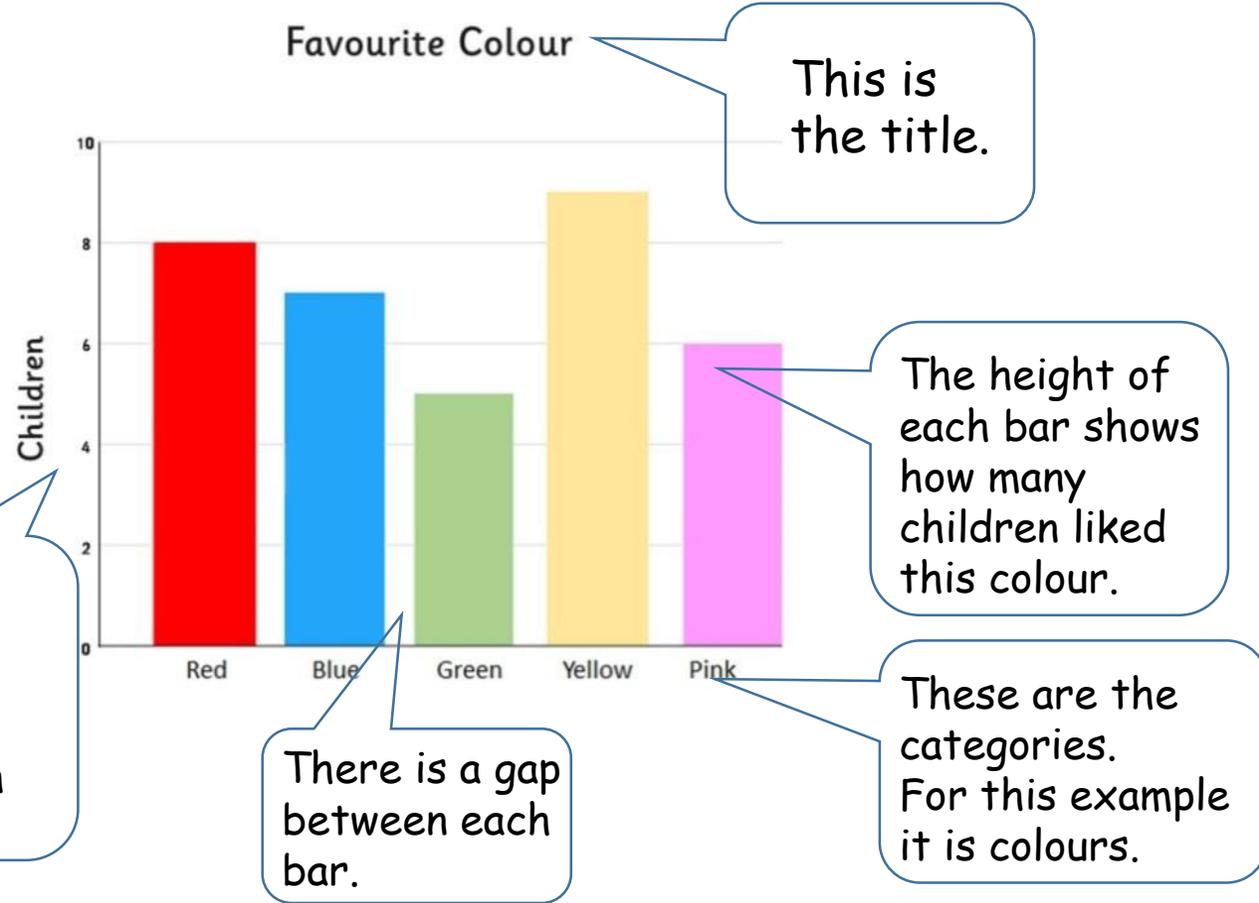
Answers  
10  
15  
9  
12

Task: Look at this example of a Bar Graph. Read the labels carefully then answer the questions.

- 1) How many children chose red?
- 2) How many children chose pink?
- 3) How many children chose Blue?
- 4) How many children chose Yellow or Green?
- 5) What was the most popular colour?
- 6) What was the least popular colour?

Answers: Red 8, Pink 6, Blue 7, Yellow or Green 9 + 5 = 14, Yellow was most popular, Green was least popular.

This is the frequency. How many children chose each colour.



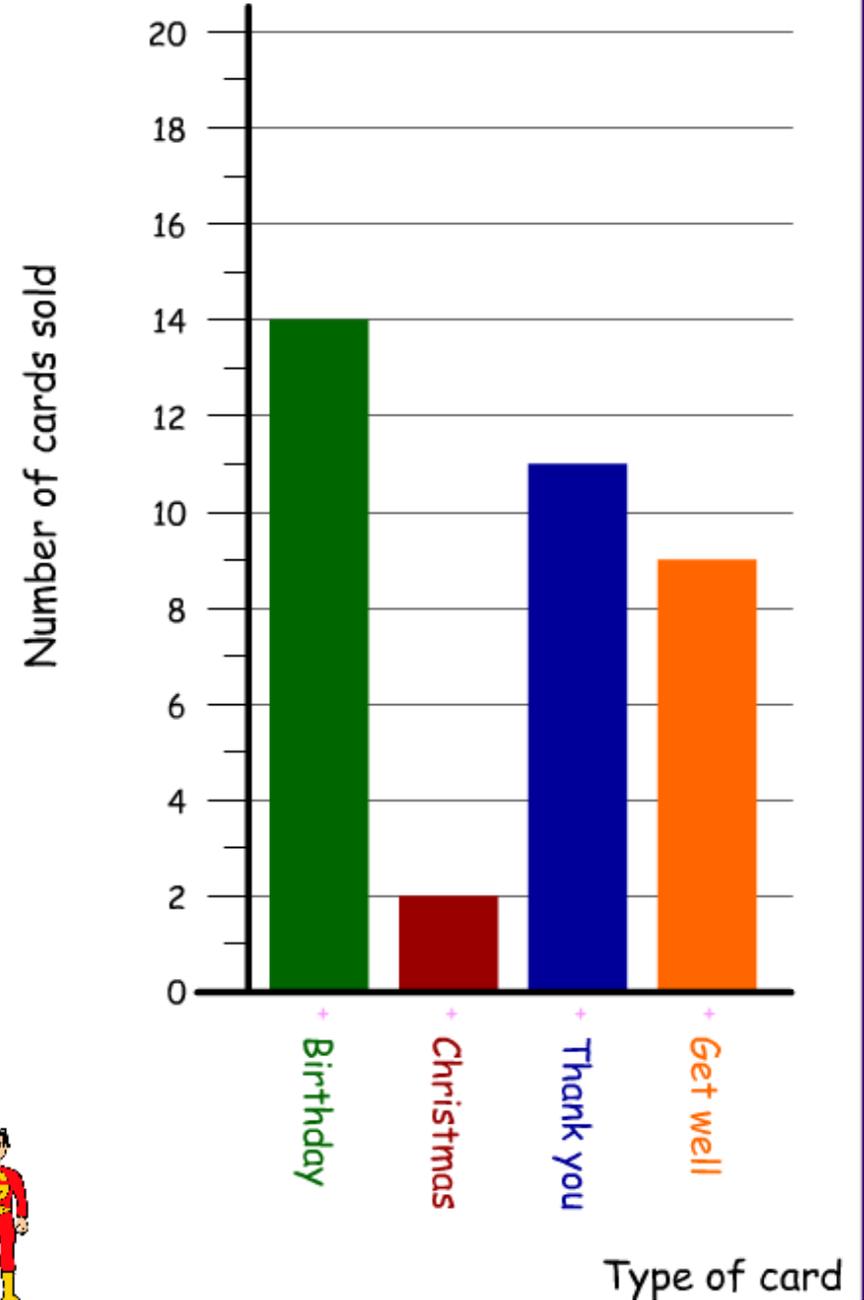
## Lesson 1 - Activity

### Can I understand Bar Graphs and read the data?

Answer these questions about this Bar Graph which shows the number of different types of card sold by a shop in one month.

- 1) How many Birthday cards were sold?
- 2) How many Christmas cards were sold?
- 3) How many Get Well cards were sold?
- 4) How many Thank you and Get Well cards were sold?
- 5) Which was the most common card sold?
- 6) What was the least common card sold?

Answers  
1) 14 cards  
2) 2 cards  
3) 9 cards  
4)  $11 + 9 = 20$  cards  
5) Birthday cards  
6) Christmas cards

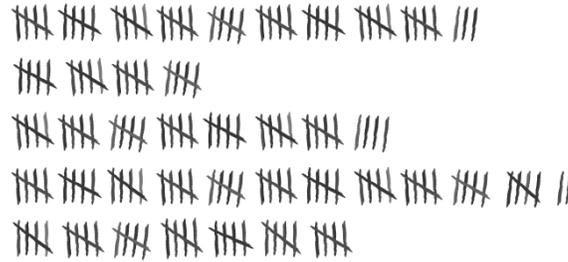


## Lesson 2 - Teaching

### Can I interpret Bar Graphs to answer more complex questions?

Starter:

What number is represented by the tallies in each of these rows?



35  
57  
39  
20  
48  
Answers:

Task: Your task today is to read the data from a Bar Graph to answer more tricky questions.

**Tricky Question 1 : How many more...?**

**Example:** How many more ice creams were sold on Saturday than Wednesday?

15 ice-creams were sold on Saturday and 1 on Wednesday.

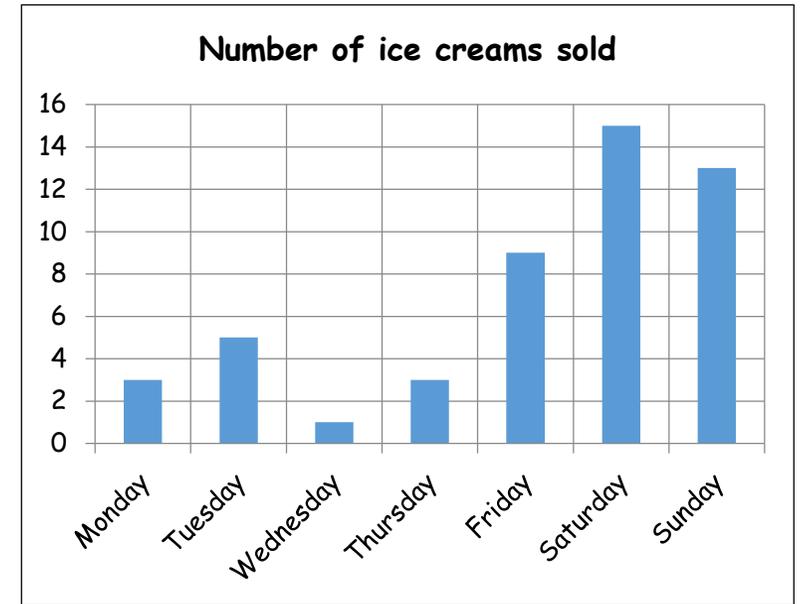
So,  $15 - 1 = 14$  ice creams more were sold on Saturday.

**Tricky question 24: What is the total of .... altogether?**

**Example:** How many ice creams were sold altogether?

Read the value of each bar then add them together:

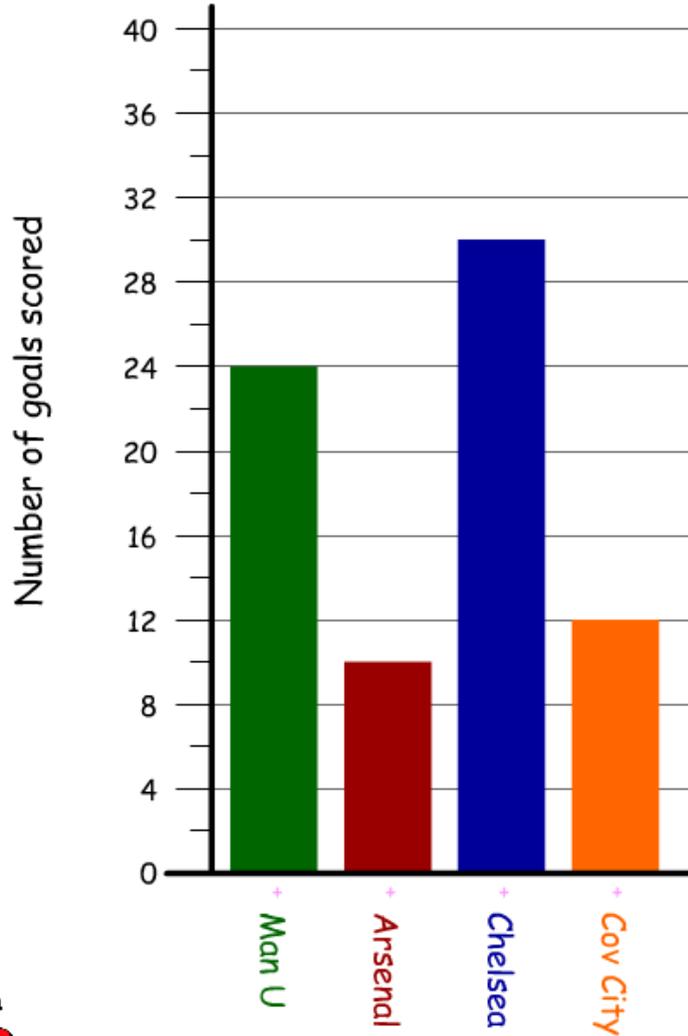
$3 + 5 + 1 + 3 + 9 + 15 + 13 = 49$  ice creams



For an interactive lesson with examples to try go to <https://app.mymaths.co.uk/4781-lesson/interpreting-data> Parts 6 and 7. Login **elson** Password **prism**

## Lesson 2 - Activity

### Can I interpret data to answer more complex questions?



Answer these questions. Look at the scale carefully!

1. How many more goals were scored by Manchester Utd than Coventry City?
2. How many more goals were scored by Coventry City than Arsenal?
3. How many more goals were scored by Chelsea than Arsenal?
4. How many more goals were scored by Chelsea than Coventry City?
5. What is the total of goals scored by Chelsea and Arsenal?
6. What is the total of all the goals scored altogether?

Answers 1)  $24 - 12 = 12$  goals, 2)  $12 - 10 = 2$  goals, 3)  $30 - 10 = 20$  goals, 4)  $30 - 12 = 18$  goals  
5)  $30 + 10 = 40$  goals, 6)  $24 + 10 + 30 + 12 = 76$  goals



## Lesson 3 - Teaching

### Can I recall times table facts?

**Starter:** Spend 10 minutes on Times Table Rock Stars or go to [www.timestables.co.uk](http://www.timestables.co.uk) to practise a table you are finding tricky.

**Task:** Today, you are going to practise your 5x table facts.

**Can you remember?**

**Say your five times table in order.**

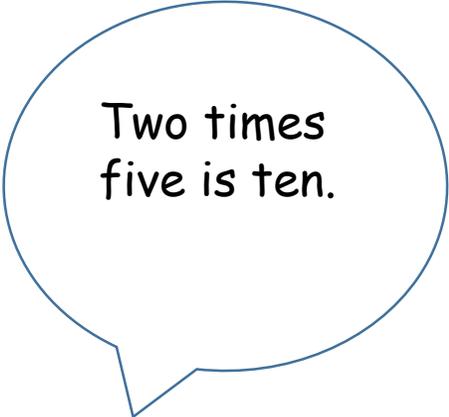
**Example:**



Zero times  
five is zero.



One times  
five is five.



Two times  
five is ten.

Keep going to  $12 \times 5$   
then try the activity  
on the next slide



## Lesson 4 - Teaching

### Can I collect data?

Starter: How many twos?

14, 10, 20, 8, 18, 4

Answers  
7, 5, 10, 4, 9, 2

Task: You will be collecting your own data which you will present on a Bar Graph in the next lesson.

What could your data be about? Try to choose something different to last week!

If you have lots of people in your household bubble you could do a survey.

Example: Favourite pets? Favourite colours? Favourite food?

Another idea is to collect data if you go for a walk.

Example: Modes of transport? Colours of coats? Types of dogs?

Another idea is to do a survey of your toys.

Example: Colours of toy cars? Types of teddies/cuddly toys?

Use the table on the next page to record your categories, tallies and frequencies.

# Lesson 4 - Activity

## Can I collect data?

My data is about: \_\_\_\_\_

Categories	Tallies	Frequency (Count up the tallies to find <u>the total</u> for each category.)

## Lesson 5 - Teaching

### Can I present data on a Bar Graph?

#### Starter:

How many tens? 20, 80, 30, 50, 100

Answers  
2, 8, 3, 5, 10

Task: You will be using the data you collected yesterday to draw a Bar Graph. (Don't worry if you didn't manage to do this, there is some example data on page 12 that you could use instead.)

Watch this video which explains how to construct a Bar Graph.

<https://classroom.thenational.academy/lessons/constructing-bar-charts-6th3er>

Remember to think carefully about your scale.

When you have drawn your Bar Graph, use the sentence stems to write some questions linked to your data.

# Lesson 5 - Activity

## Can I present data on a Bar Graph?

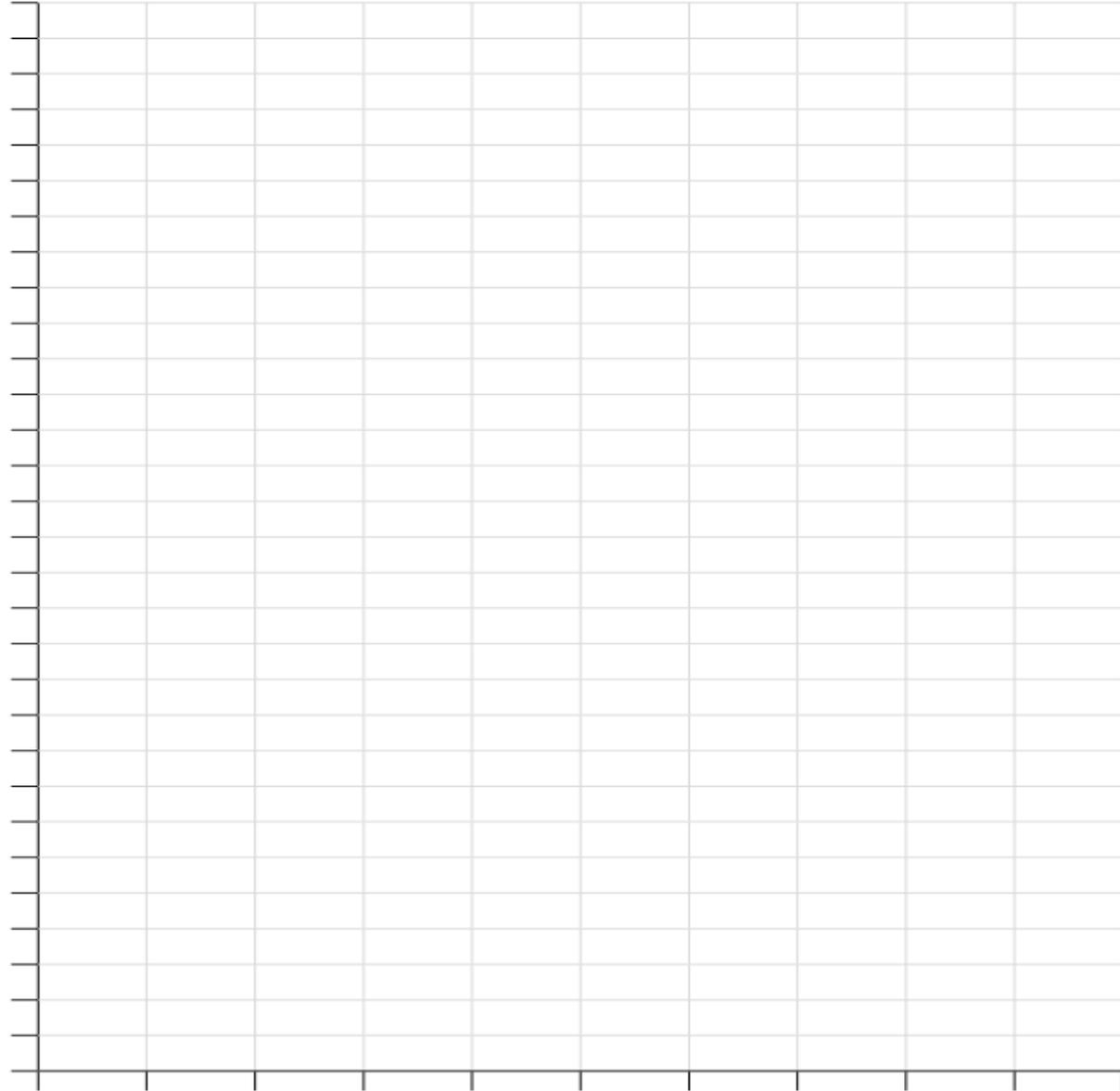
Question sentence stems:

Which \_\_\_\_\_ was the most popular/common?

Which \_\_\_\_\_ was the least popular/common?

How many more \_\_\_\_\_ than \_\_\_\_\_ were there?

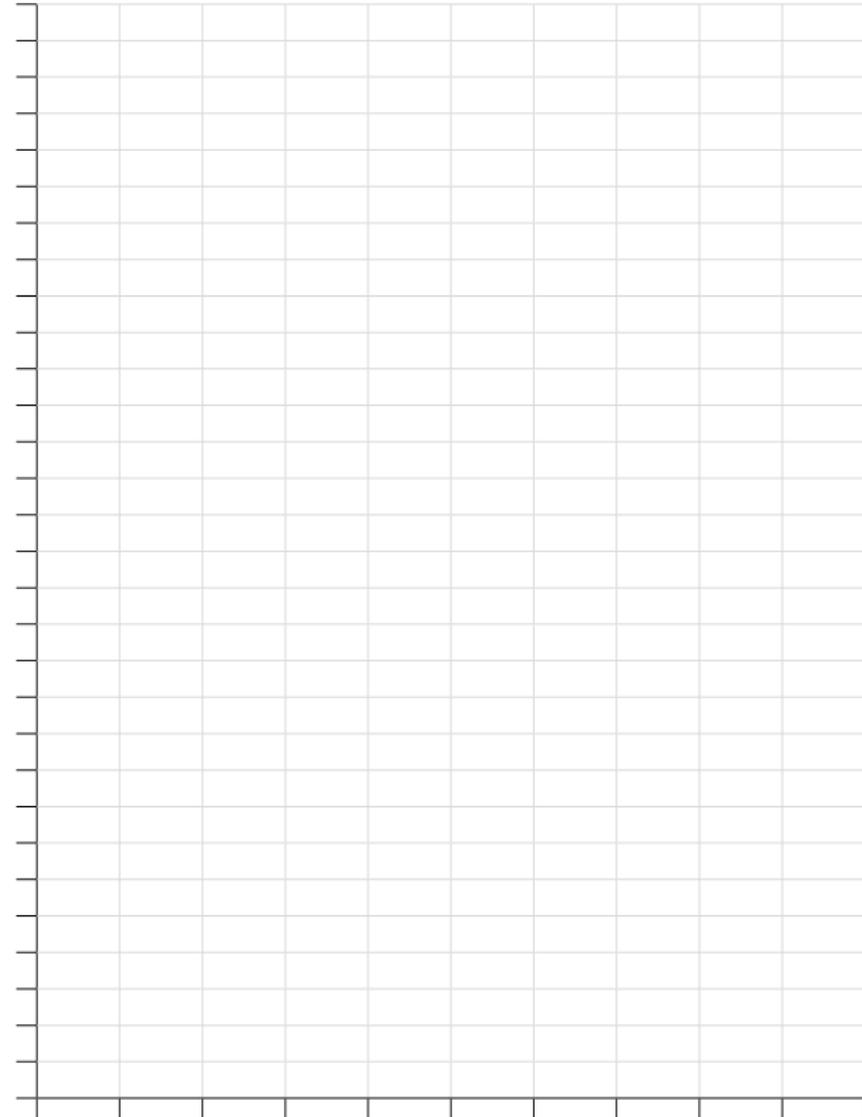
How many \_\_\_\_\_ were there altogether?



# Oak Academy *Independent Task*

Label and complete the bar chart, including:

- a scale on the vertical axis
- the food names on the horizontal axis
- the vertical axis labelled 'Number of people'
- the horizontal axis labelled 'Favourite New York snack'
- bar drawn accurately with a ruler



Pizza	
Hot dog	
Pretzel	
Doughnut	
Cheesecake	

Favourite New York snack	Number of people
Pizza	
Hot dog	
Pretzel	
Doughnut	
Cheesecake	
Total	

When you have drawn your Bar Graph, use the sentence stems on the previous page to write some questions linked to your data.