

Year 4 Maths
Remote learning
Week beginning
Monday 22nd
February 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?

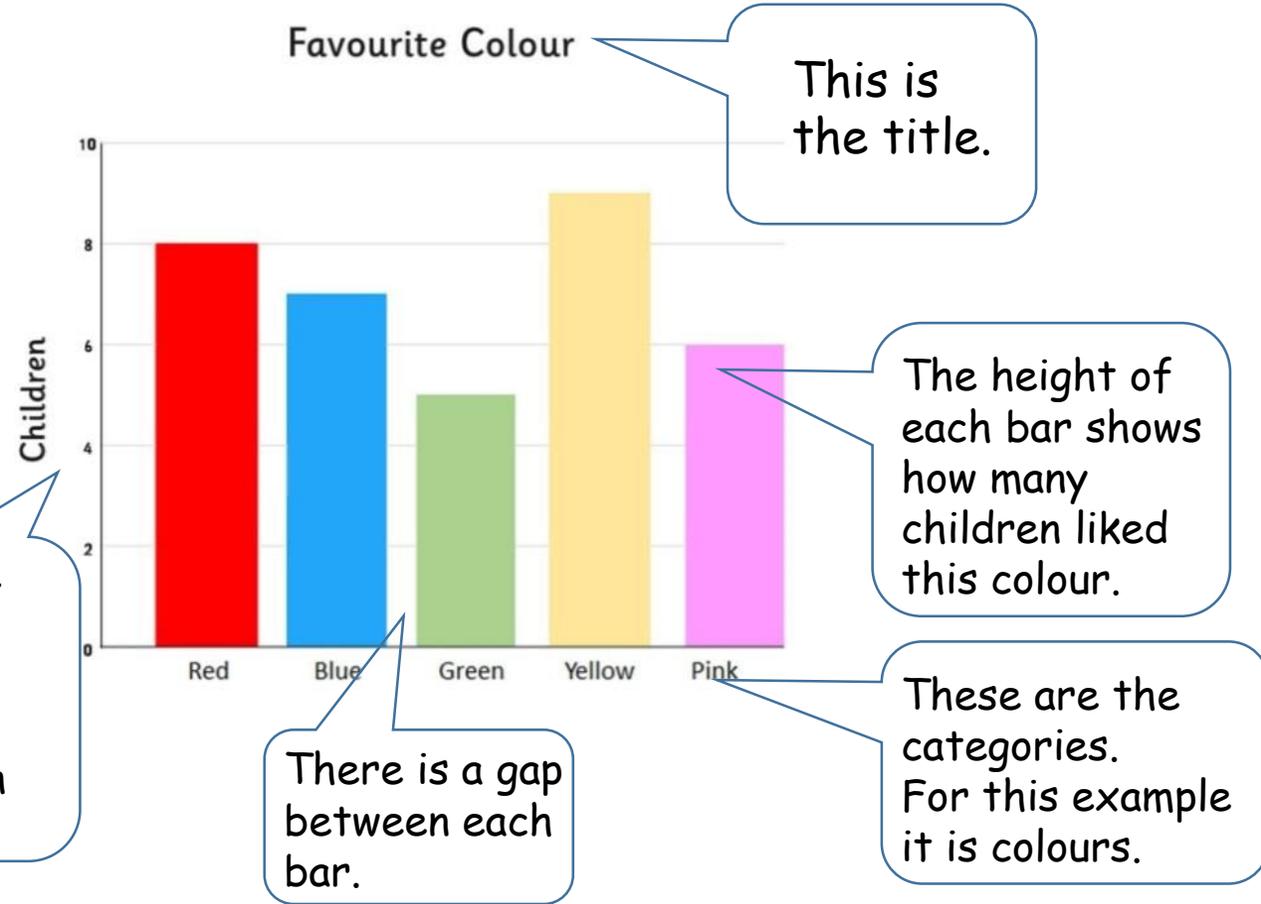
			
			
			
			

Answers
10
15
9
12

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.



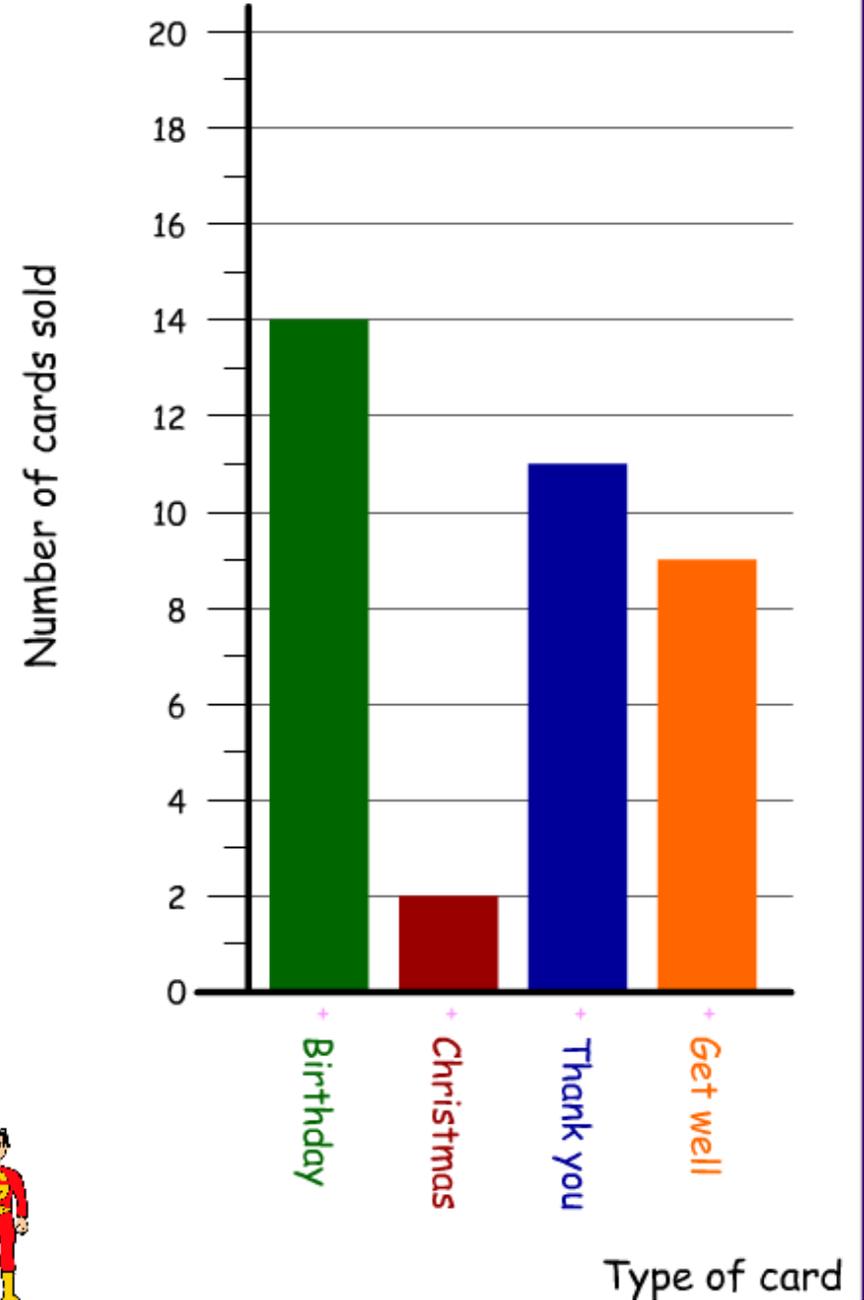
Lesson 1 - Activity

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

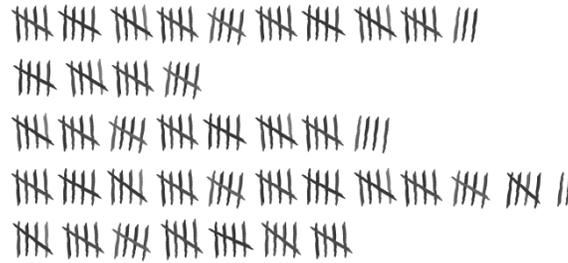


Lesson 2 - Teaching

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?

$15 - 1 = 14$ ice creams

Tricky Question 2: How many fewer...?

Example: How many fewer ice creams were sold on Tuesday than Sunday?

$13 - 5 = 8$ ice creams

Tricky question 3: What is the difference between...?

Example: What is the difference between the number of ice creams sold on Monday and Saturday? $15 - 3 = 12$ ice creams

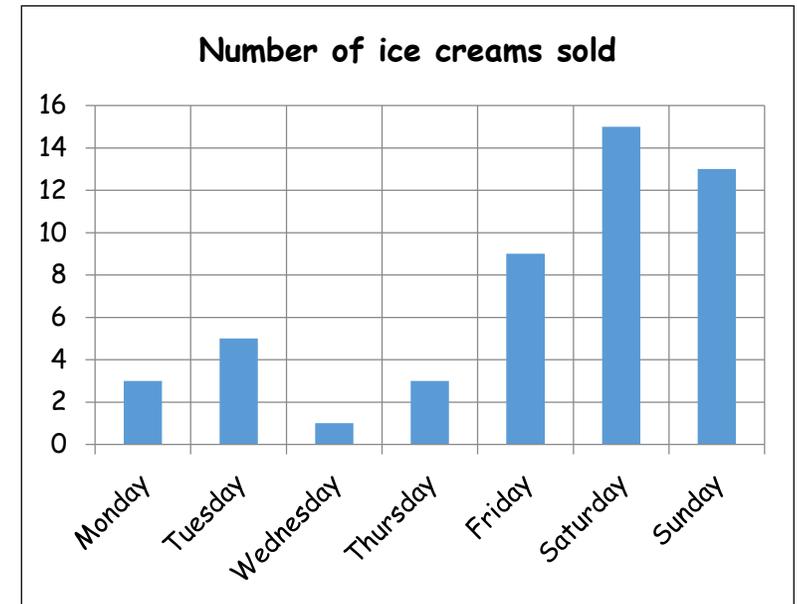
Tricky question 4: What is the total of altogether?

Example: How many ice creams were sold altogether?

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

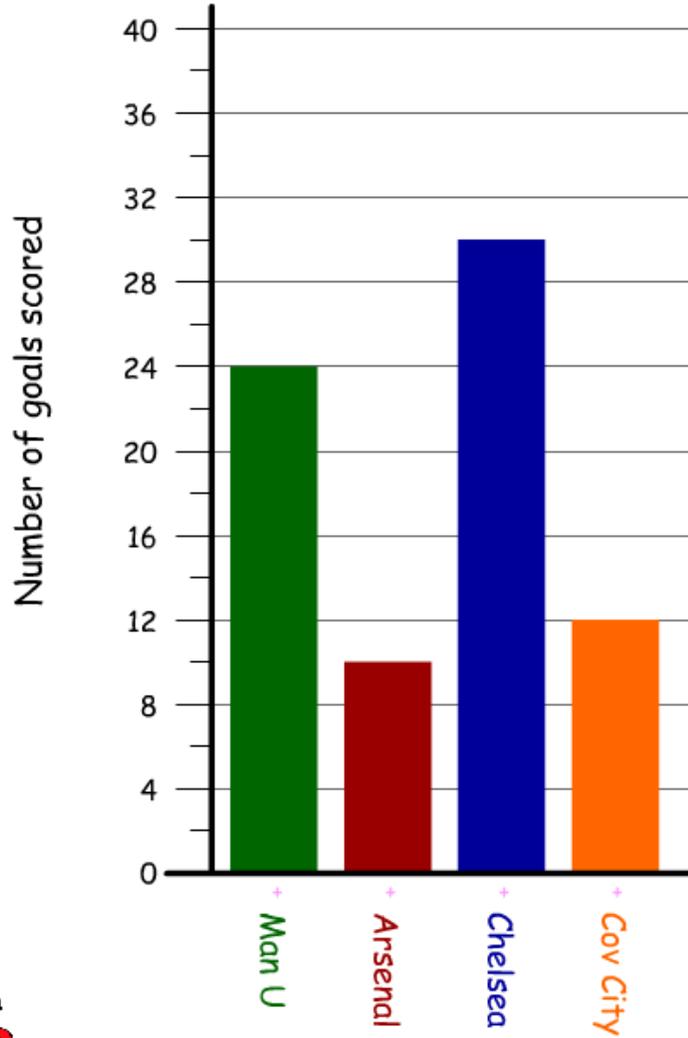
For an interactive lesson with examples to try go to <https://app.mymaths.co.uk/4781-lesson/interpreting-data>

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 fewer goals were scored by Arsenal than Manchester Utd?
4. How many fewer goals were scored by Coventry City than Chelsea?
5. What is the difference between the most and least amount of goals scored?
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) $30 - 10 = 20$ 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 to practise a table you are finding tricky.

Task: Today, you are going to do a Mental Arithmetic Test.

Note to parents:

Allow 40 minutes (maximum) for your child to answer the questions.

Working out should be done in their head as this is a Mental Maths test.

If your child needs to make jottings to keep track of numbers, this is O.K. but discourage use of number lines or other full written methods.

When they are finished, mark the test together. Look at any questions they got wrong and see if they can work out the right answer with your help.

Lesson 3 - Activity

Arithmetic Test A

Test A

1	$3 + 6 =$	10	$110 - 40 =$	19	$69 + 47 =$
2	$42 + 8 =$	11	$7 + 62 =$	20	$73 - 19 =$
3	$30 + 40 =$	12	$8 \times 3 =$	21	$25 + 57 =$
4	$17 - 7 =$	13	$\underline{\hspace{2cm}} + 11 = 20$	22	$\frac{1}{4}$ of 28 =
5	$65 - 8 =$	14	$38 + 53 =$	23	$83 - \underline{\hspace{1cm}} = 35$
6	$6 \times 10 =$	15	$12 \div 4 =$	24	$150 \div 10 =$
7	$\frac{1}{2}$ of 18 =	16	$72 - 11 =$	25	$81 - 36 =$
8	$4 + 50 + 5 =$	17	$73 - 30 =$	Total correct	
9	$6 \times 10 =$	18	$96 + 20 =$	/ 25	

9	$6 \times 10 = 60$	18	$96 + 20 = 116$	25 /
8	$4 + 50 + 5 = 59$	17	$73 - 30 = 43$	Total correct
7	$\frac{1}{2}$ of 18 = 9	16	$72 - 11 = 61$	25
6	$6 \times 10 = 60$	15	$12 \div 4 = 3$	24
5	$65 - 8 = 57$	14	$38 + 53 = 91$	23
4	$17 - 7 = 10$	13	$\underline{9} + 11 = 20$	22
3	$30 + 40 = 70$	12	$8 \times 3 = 24$	21
2	$42 + 8 = 50$	11	$7 + 62 = 69$	20
1	$3 + 6 = 9$	10	$110 - 40 = 70$	19

Answers:

Lesson 4 - Teaching Can I collect data?

Starter:

How many more/fewer?

Copy and complete
the table.

Start Number	Target number	How many more?	Target number	How many fewer?
21	29		11	
35	47		8	
76	99		32	
111	153		95	
148	191		86	
186	247		21	

165	61
62	43
16	42
44	23
27	12
10	8
How many more?	How many fewer?

Answers

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?

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 altogether?

Copy and complete this table.

First Number	Second number	Third number	Fourth number	How many altogether?
5	3	6	2	
10	8	12	7	
12	13	14	10	
21	22	25	20	
45	55	25	5	
48	64	37	75	
120	130	140	150	

Answers
16
37
49
88
130
224
540

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?

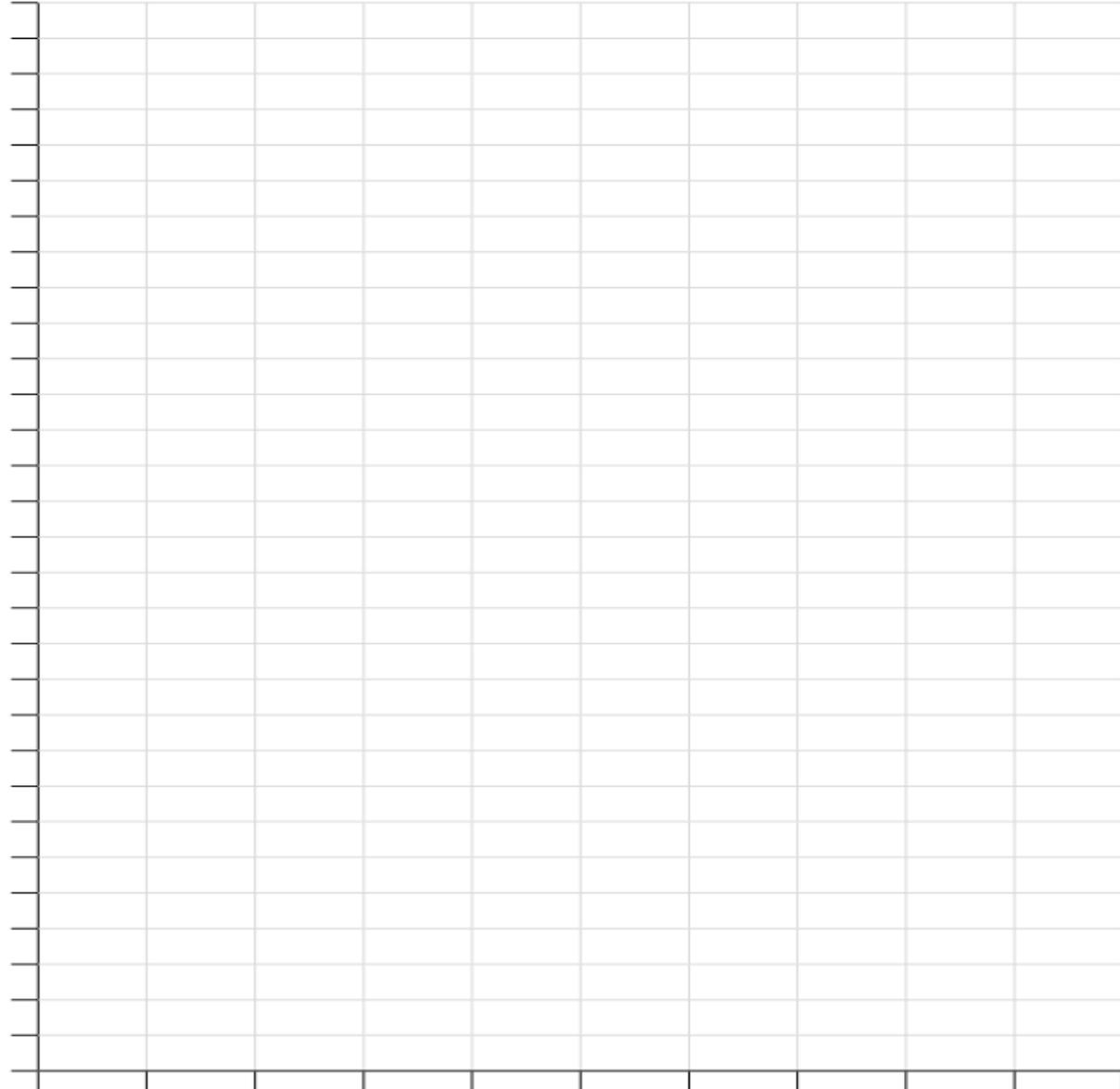
Which _____ was the least popular/common?

How many more _____ than _____ were there?

How many fewer _____ than _____ were there?

What is the difference between _____ and _____?

How many _____ were there altogether?



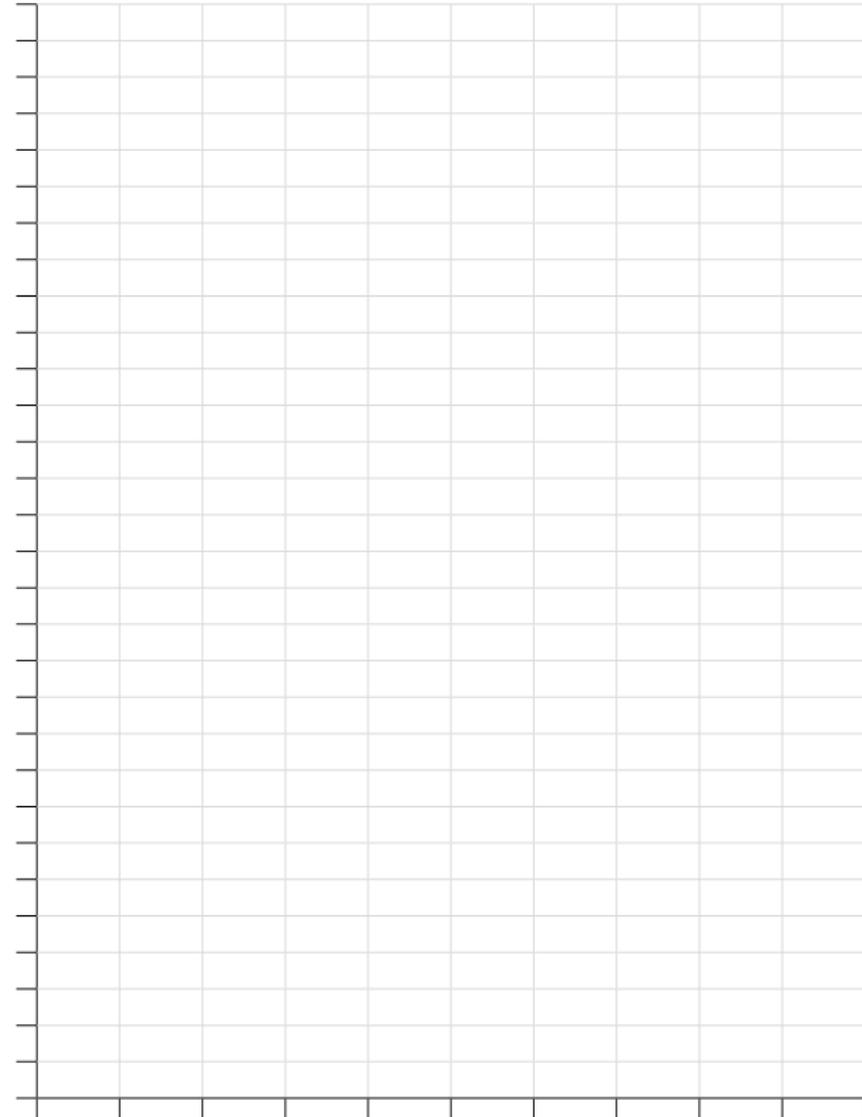
Oak Academy *Independent Task*

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.