

Monday 8th February 2021

7/2/21

Year 4 Maths - Chapter 5 - Lesson 1

WALT: To be able to draw and read picture graphs and bar graphs.

Give me 5!



★
1. $321 + 293 =$

2. $987 - 321 =$

3. $30 \div 3 =$

4. $110 \div 10 =$

5. $45 \times 4 =$

★ ★
1. $6598 + 2611 =$

2. $7602 - 1444 =$

3. $72 \div 5 =$

4. $644 \div 4 =$

5. $531 \times 4 =$

Extension:

Teddy has calculated 19×3



$$20 \times 3 = 60$$

$$60 - 1 = 59$$

$$19 \times 3 = 59$$

Can you explain his mistake and correct the diagram?

Give me 5!



$$1. 321 + 293 = \mathbf{614}$$

$$2. 987 - 321 = \mathbf{666}$$

$$3. 30 \div 3 = \mathbf{10}$$

$$4. 110 \div 10 = \mathbf{11}$$

$$5. 45 \times 4 = \mathbf{180}$$



$$1. 6598 + 2611 = \mathbf{9209}$$

$$2. 7602 - 1444 = \mathbf{6158}$$

$$3. 72 \div 5 = \mathbf{14 \text{ r. } 4}$$

$$4. 644 \div 4 = \mathbf{161}$$

$$5. 531 \times 4 = \mathbf{2124}$$

Extension:

Teddy has calculated 19×3



$$20 \times 3 = 60$$

$$60 - 1 = 59$$

$$19 \times 3 = 59$$

Can you explain his mistake and correct the diagram?

Teddy has subtracted one, rather than one group of 3

He should have calculated,

$$20 \times 3 = 60$$

$$60 - 1 \times 3 = 57$$



In Focus

The table shows the number of cupcakes sold in a shop on a particular day.

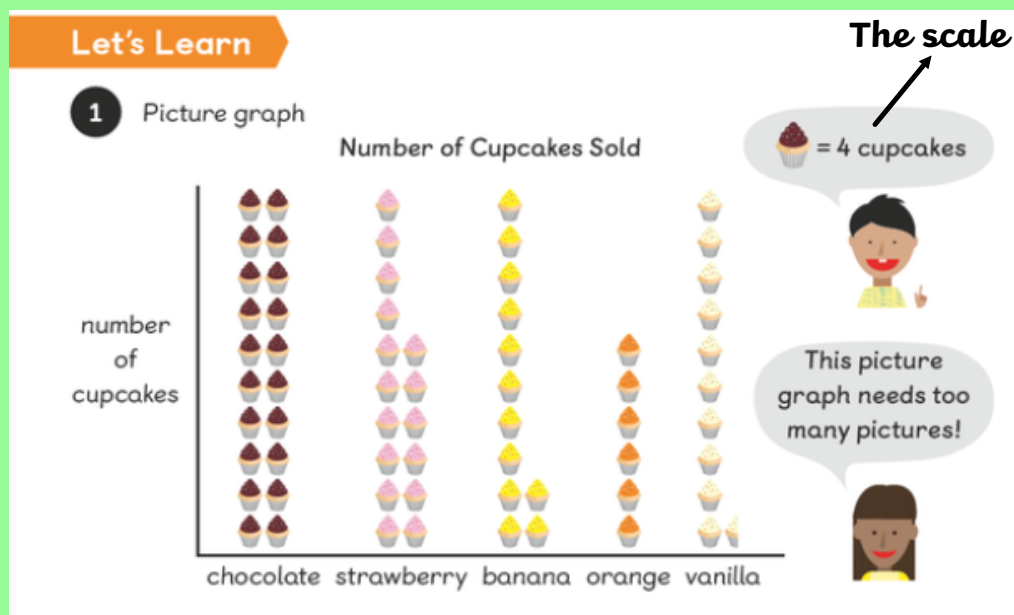
Flavour					
	chocolate	strawberry	banana	orange	vanilla
Number sold	80	64	48	24	42

What types of graphs can we draw to show this information?

What information is given in the table?

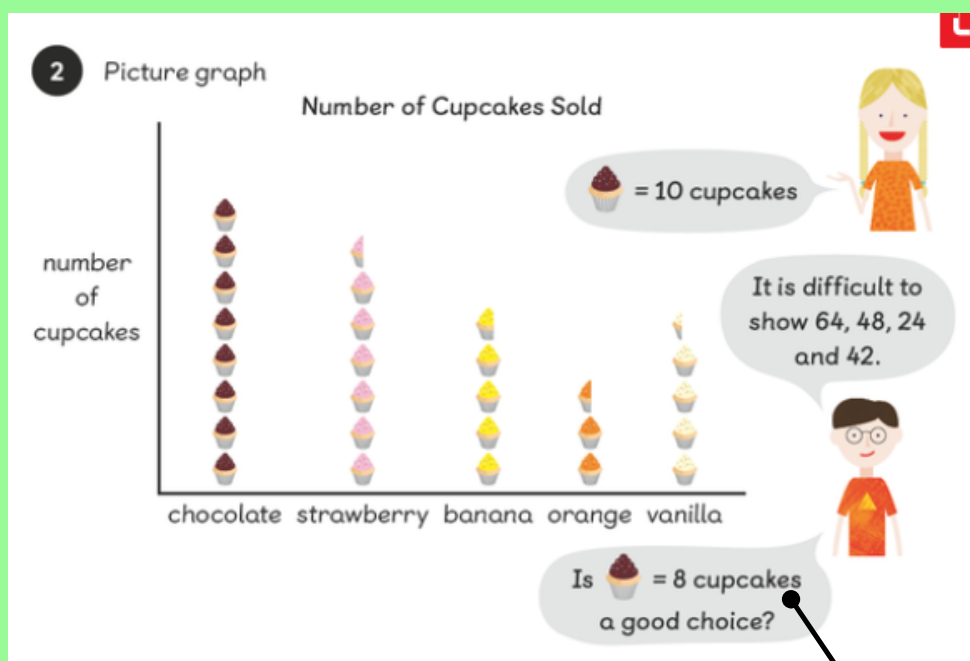
Who would this information be useful to and why?

What other ways could this data be presented?



Is it easy to read? Why or why not?

How could it be improved?

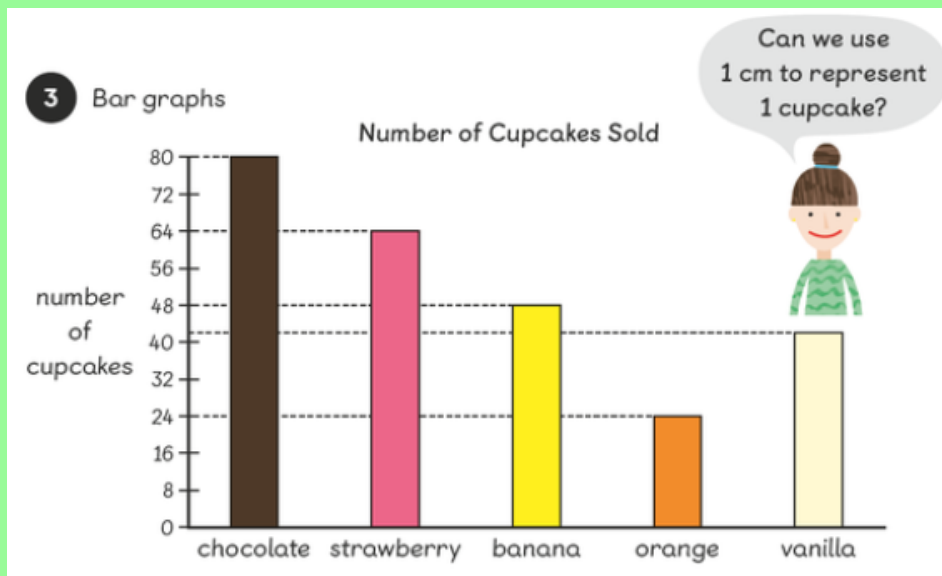


Is this a better representation of the data?

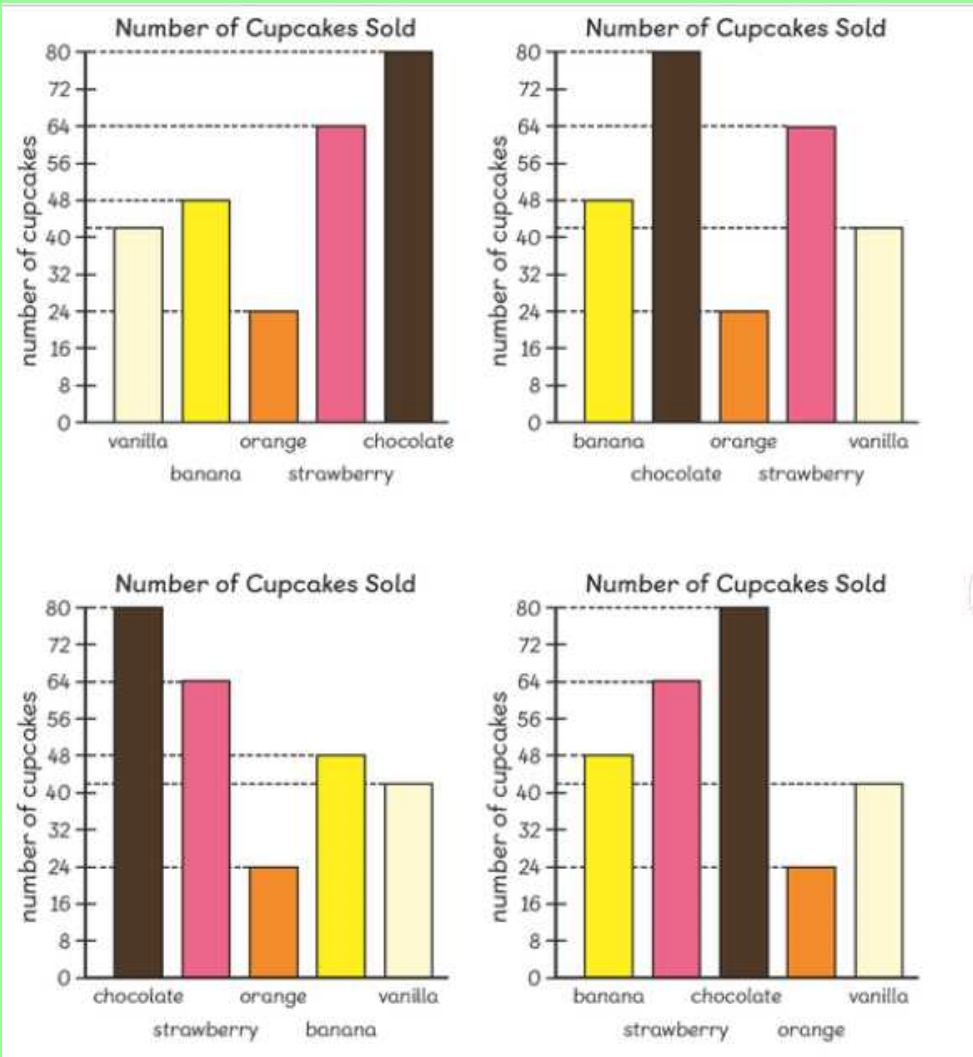
What is the scale?

Is it easy to show the given numbers of cupcakes?

What if the scale is 8?



Which one of the graphs is easiest to read?



What is the same ?

What is different about these bar graphs?

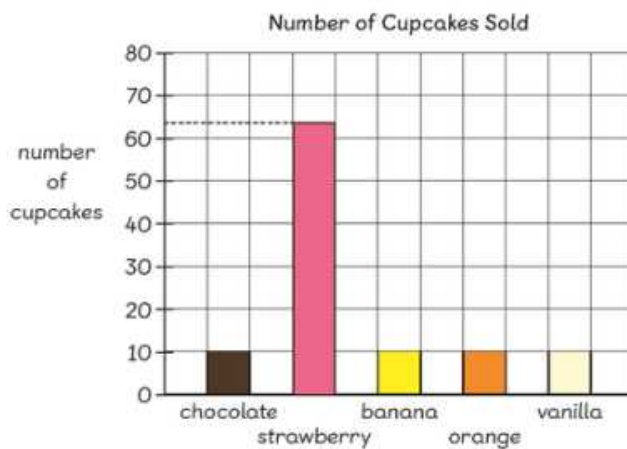
Does the order matter in bar graphs?

Now try Worksheet 1 on pages 143-144.
If you would like some more practice first, continue to
work with the teacher.

If you finish the worksheet try an extension sheet.

Guided Practice

Elliott started drawing a bar graph to show the number of cupcakes sold in the shop on that particular day. He used 1 cm to represent 10 cupcakes.



- 1 Complete Elliott's graph.

Compare this graph with the one on page 207.



- 2 Among the five flavours, which one sold the least and which one sold the most?



How can we tell by looking at the graph?

- 3 How many cupcakes were sold that day?

$$80 + 64 + 48 + 24 + 42 = \boxed{}$$

Pair the numbers up so that it is easy to add mentally.



Graphs

Chapter 5

Name: _____ Class: _____ Date: _____

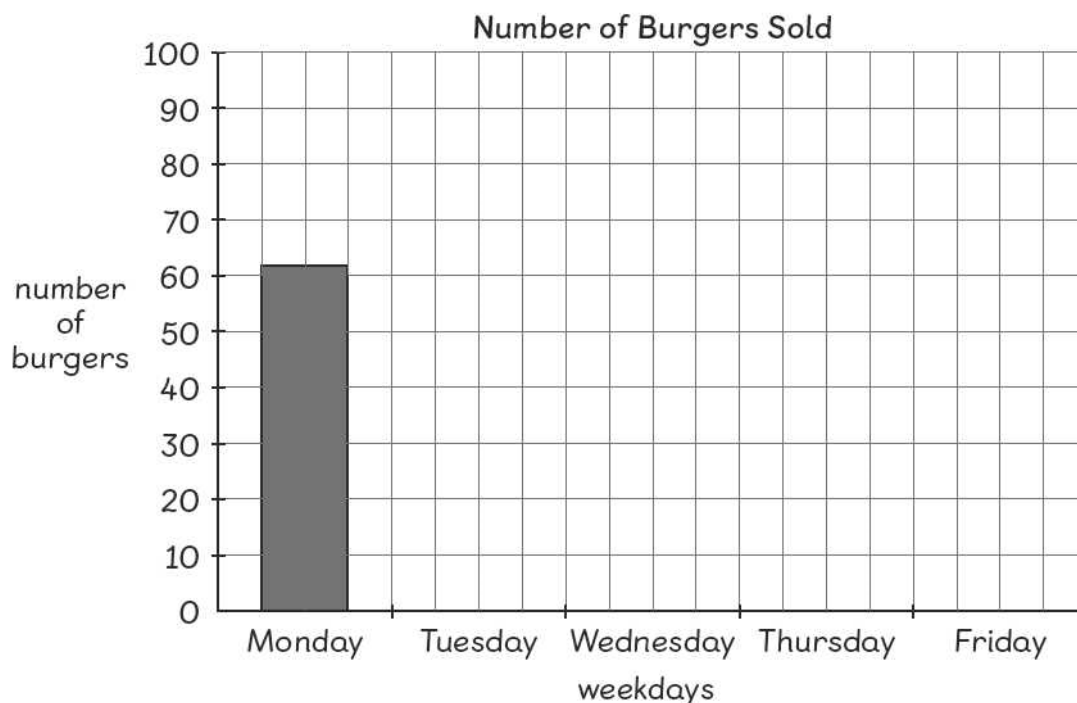
Worksheet 1

Drawing and Reading Picture Graphs and Bar Graphs

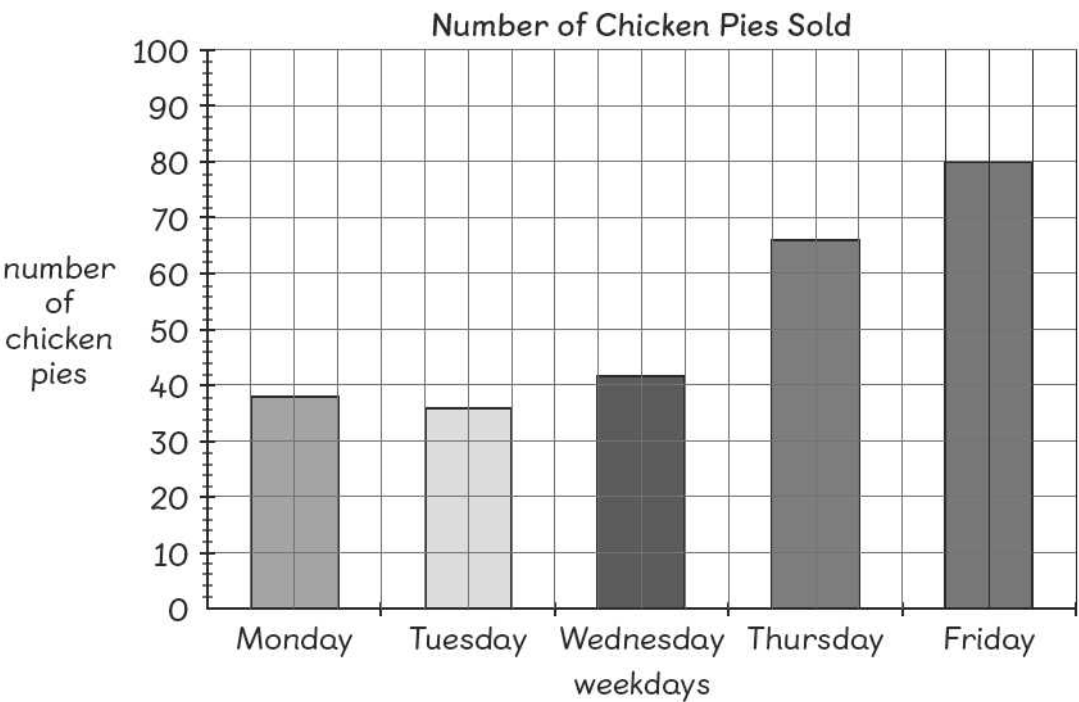
- 1 The table below shows the number of burgers sold in a café from Monday to Friday.

Monday	Tuesday	Wednesday	Thursday	Friday
62	80	73	82	94

Sam drew a bar graph to show the number of burgers sold.
Complete Sam's graph.



- 2 This bar graph shows the number of chicken pies sold in the same café from Monday to Friday.



- (a) chicken pies were sold on Monday and Tuesday altogether.
- (b) The most chicken pies were sold on and the least number of chicken pies were sold on .
- (c) more chicken pies were sold on Thursday than on Wednesday.
- (d) Which was a more popular choice in the café, the burgers (Question 1) or the chicken pies? Explain your answer.

1.) Halifax City Football Club sold the following number of season tickets:

- Male adults – 6,382
- Female adults – 5,850
- Boys – 3,209
- Girls – 5,057

Would you use a bar chart, table or pictogram to represent this data?
Explain why.

2.)


Attraction	Number of visitors on Saturday	Number of visitors on Sunday
Animal World Zoo	1,282	2,564
Maltings Castle	2,045	1,820
Primrose Park	1,952	1,325
Film Land Cinema	2,054	1,595

True or false?

- The same number of people visited Maltings Castle as Film Land Cinema on Saturday.
- Double the number of people visited Animal World Zoo on Sunday than Saturday.
- The least popular attraction of the weekend was Primrose Park.

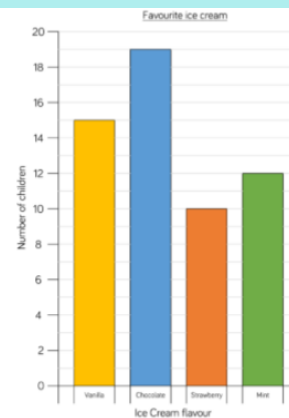
3.) Alex wants to use a pictogram to represent the favourite drinks of everyone in her class.



I will use this image  to represent 5 children.

Explain why this is not a good idea.

4.)



Rosie says,



We asked 54 people altogether.

Can you spot Rosie's mistake?
How many people were asked altogether?

Answers:

Graphs

Chapter
5

Name: _____ Class: _____ Date: _____

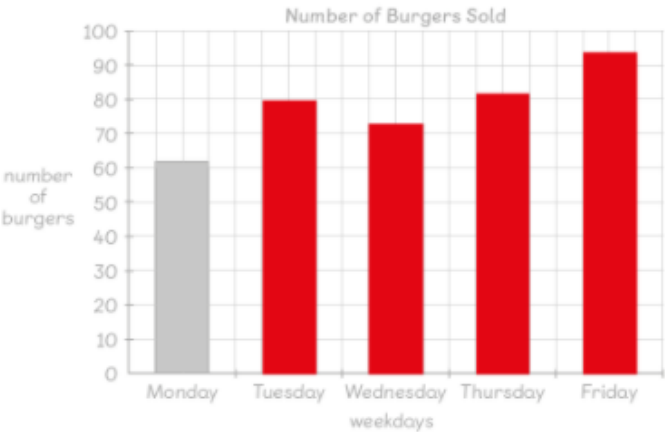
Worksheet 1

Drawing and Reading Picture Graphs and Bar Graphs

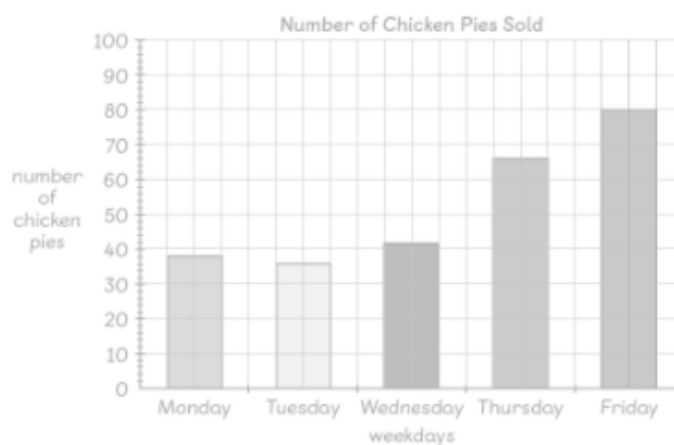
- 1 The table below shows the number of burgers sold in a café from Monday to Friday.

Monday	Tuesday	Wednesday	Thursday	Friday
62	80	73	82	94

Sam drew a bar graph to show the number of burgers sold.
Complete Sam's graph.



- 2 This bar graph shows the number of chicken pies sold in the same café from Monday to Friday.



- (a) **74** chicken pies were sold on Monday and Tuesday altogether.
- (b) The most chicken pies were sold on **Friday** and the least number of chicken pies were sold on **Tuesday**.
- (c) **24** more chicken pies were sold on Thursday than on Wednesday.
- (d) Which was a more popular choice in the café, the burgers (Question 1) or the chicken pies? Explain your answer.

Burgers because they sold in consistently high numbers.

1.) Halifax City Football Club sold the following number of season tickets:

- Male adults – 6,382
- Female adults – 5,850
- Boys – 3,209
- Girls – 5,057

Possible answer:
I would represent the data in a table because it would be difficult to show the exact numbers accurately in a pictogram or bar chart.

Would you use a bar chart, a pictogram or bar chart to represent this data? Explain why.

3.) Alex wants to use a pictogram to represent the favourite drinks of everyone in her class.



I will use this image to represent 5 children.

It is not a good idea, because it would be difficult to show amounts which are not multiples of 5

Explain why this is not a good idea.

2.)

Attraction	Number of visitors on Saturday	Number of visitors on Sunday
Animal World Zoo	1,282	2,564
Maltings Castle	2,045	1,820
Primrose Park	1,952	1,325
Film Land Cinema	2,054	1,595

• False
The Film Land Cinema had 9 more visitors than Maltings Castle

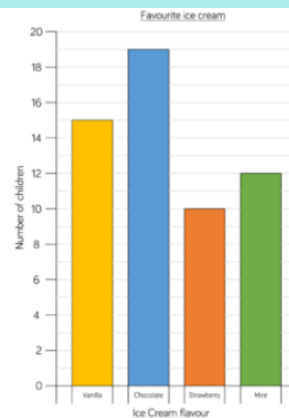
• True
1,282 doubled is 2,564

• True
Animal World Zoo – 3,846
Maltings Castle – 3,865
Primrose Park – 3,277
Film Land Cinema – 3,649

True or false?

- The same number of people visited Maltings Castle as Film Land Cinema on Saturday.
- Double the number of people visited Animal World Zoo on Sunday than Saturday.
- The least popular attraction of the weekend was Primrose Park.

4.)



Rosie has read the bar chart incorrectly. 15 people chose vanilla, 19 people chose chocolate, 10 chose strawberry and 12 chose mint. That means 56 people were asked altogether.

Rosie says,



We asked 54 people altogether.

Can you spot Rosie's mistake?
How many people were asked altogether?

