Year 4 – 29.06.20

Pictograms

1 The pictogram shows the number of ice creams sold each day.

Day	Number of ice creams sold
Monday	4
Tuesday	2
Wednesday	7
Thursday	2
Friday	4
Saturday	10
Sunday	6

Key = 5 ice creams

a) On which day were the most ice creams sold?

_____

b) On which two days were 20 ice creams sold?

_____

c) How many ice creams were sold on Thursday? ☐

d) How many more ice creams were sold on Friday than Thursday? ☐

e) More ice creams were sold in total on Saturday and Sunday than during the rest of the week.

Do you agree? _____

Show your workings.

2 The pictogram shows the colour of cars parked in a car park.

Colour	Number of cars in car park
Red	5
Blue	4
White	7
Yellow	2

Key = 2 cars

a) How many parked cars are red? ☐

b) How many parked cars are blue? ☐

c) How many cars are parked in total? ☐

d) Write a question about the pictogram.

_____

_____

Can a partner answer your question?

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3 Class 3 are asked how many pets they have.

Here are the results.

Children with 0 pets	8
Children with 1 pet	14
Children with 2 pets	9
Children with 3 or more pets	2

a) Eva starts a pictogram to show the results.

Complete the pictogram and the key.

Key = ☐ pets

Pets	
0 pets	
1 pet	
2 pets	
3 or more pets	

b) How did you know what value to choose for the key?

4 Amir wants to use a pictogram to represent this data.

	Minutes spent on the bus
Monday	60
Tuesday	20
Wednesday	50
Thursday	50
Friday	80

a) What symbol could Amir use? Draw a key to show what each symbol represents.

b) Draw the pictogram for Amir.

Monday	Tuesday	Wednesday	Thursday	Friday

c) Compare pictograms with a partner.

What is the same and what is different?

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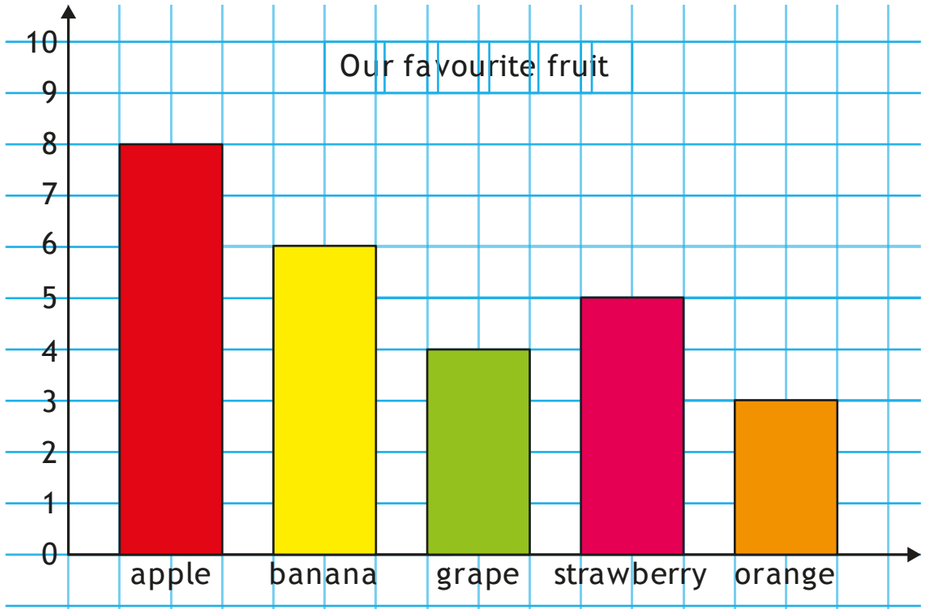
Year 4 – 30.06.20

Bar charts

1 All the children in Class 3 choose their favourite fruit.

The bar chart shows the results.



Use the bar chart to answer the questions.

a) What is the most popular fruit? _____

b) How can you tell just by looking?

_____

c) What is the least popular fruit? _____

d) How many more children like apples best than like grapes best? ☐

e) How many children are there in Class 3? ☐

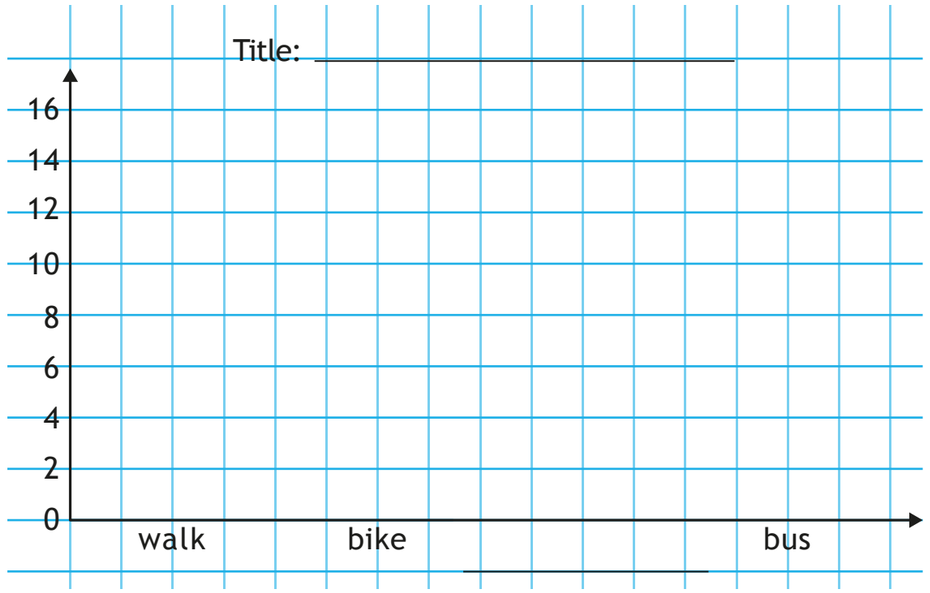
2 Some children are asked how they get to school.

The tally chart shows the results.

Method	Tally	Total
Walk	𝍸 𝍸 |||	
Bike	|||	
Car	𝍸 |||	
Bus	𝍸 ||	

a) Complete the chart.

b) Draw a bar chart to represent the data.



c) Which chart do you prefer? Tick your answer.

tally chart ☐ bar chart ☐

What are your reasons?

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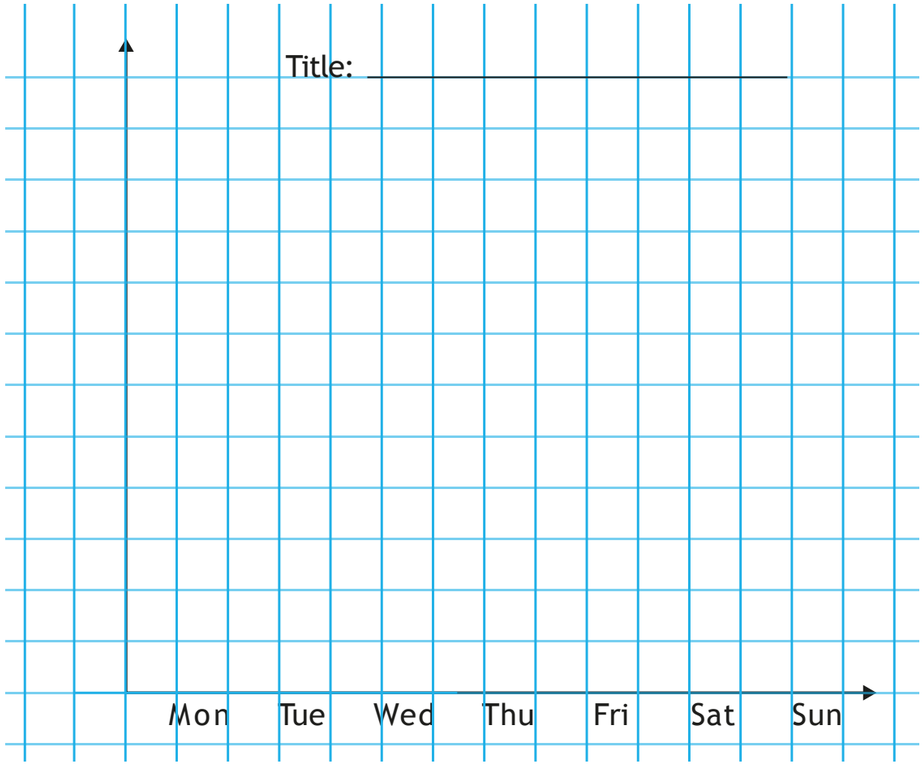
3 The pictogram shows the number of ice creams sold each day.

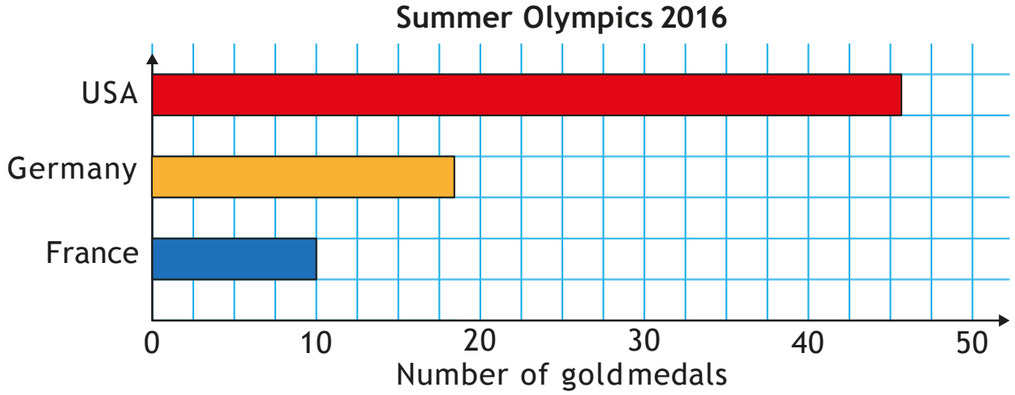
Day	Number of ice creams sold
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	

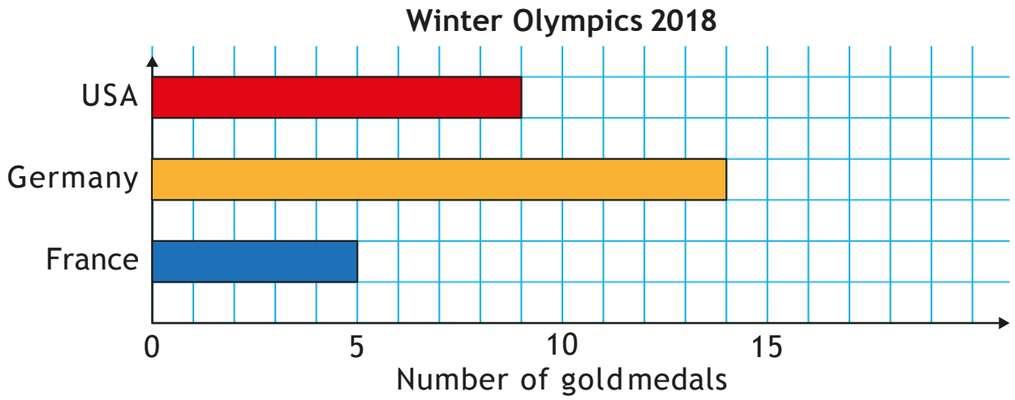
Key = 5 ice creams

Draw a bar chart to represent this data.

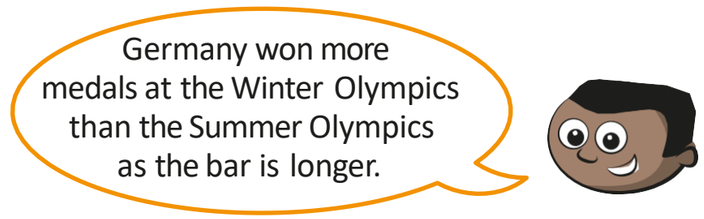


4 The bar charts show the number of gold medals won by some countries in the Summer and Winter Olympics.





a)



Is Mo correct? _____

How do you know?

b) Which country won the most medals in total?

_____

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Year 4 – 01.07.20

Tables

1 The table shows school attendance for a Year 3 class.

There are 27 children in the class.

Day	Girls	Boys
Monday	15	11
Tuesday	14	12
Wednesday	14	10
Thursday	15	12
Friday	15	11

a) How many children attended school on Monday?

☐ + ☐ = ☐ children

b) On which day did all the children in the class attend school? _____

How do you know?

c) How many boys are in the class? ☐

d) How many girls are in the class? ☐

e) Why is there no data for Saturday or Sunday?

_____

f) Who had better attendance – girls or boys?

_____

How did you work it out? Did your partner do the same?

2 The table shows the number of school days in each month.

Month	Number of school days
January	18
February	15
March	19
April	16
May	22
June	20
July	7
August	0
September	18
October	17
November	22
December	16

a) Which month has the fewest school days? _____

Why?

_____

b) Term 1 is from September to December.

Term 2 is from January to April.

Term 3 is from May to July.

Which term has the most school days?

Term ☐

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3 The table shows the number of packets of crisps sold in a small shop.

Crisps sold	6:00 – 9:00	9:00 – 12:00	12:00 – 15:00	15:00 – 18:00
Salted	6	19	26	25
Salt and vinegar	0	12	14	7
Paprika	3	9	20	10
Cheese and onion	1	11	14	8

a) Which flavour of crisp is the most popular?

_____

b) Which is the least popular flavour?

_____

c) How many packets of crisps were sold between 6:00 am and 9:00 am?

☐

d) Between what times were the most salt and vinegar crisps sold?

_____

4 The table shows the number of newspapers and magazines sold by a shop from Monday to Friday.

Day	Number of newspapers	Number of magazines
Monday	126	103
Tuesday	148	113
Wednesday		87
Thursday	150	223
Friday	103	186

a) How many newspapers and magazines were sold in total on Tuesday?

☐

b) How many more magazines were sold on Thursday than on Wednesday?

☐

c) There were 650 newspapers sold in total.

How many newspapers were sold on Wednesday?

☐

d) On which day do you think new magazines come out?

Why?

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Year 4 – 02.07.20

Interpret charts

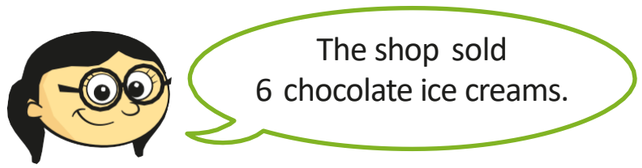
1 The pictogram shows the number of ice creams sold in a shop.

Ice cream flavour	Number of ice creams sold
vanilla	
chocolate	
strawberry	
mint choc	

Key = 2 ice creams

a) How many vanilla ice creams were sold? ☐

b)



What mistake has Annie made?

_____

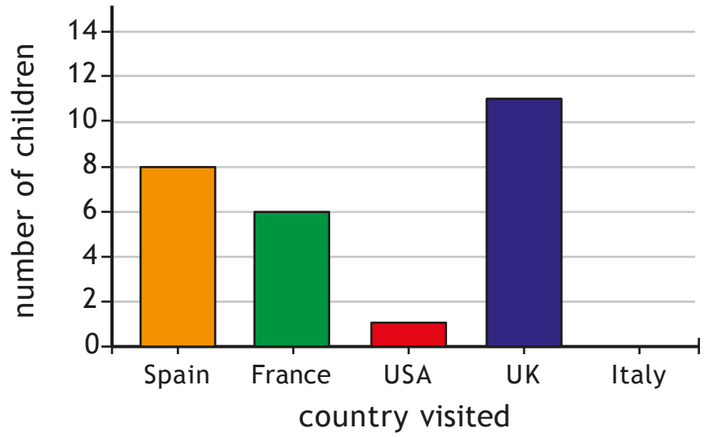
_____

c) How many chocolate ice creams were sold? ☐

d) How many strawberry ice creams were sold? ☐

e) Seven mint choc ice creams were sold.
Complete the pictogram to show this.

2 The bar chart shows the number of children who went on holiday to some different countries.



a) Complete the table using the information in the bar chart.

Country	Number of of children visiting
Spain	
France	
USA	
UK	
Italy	

b) Complete the pictogram using the information in the bar chart.

Country	Number of of children visiting
Spain	
France	
USA	
UK	
Italy	

Key = 4 children

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3

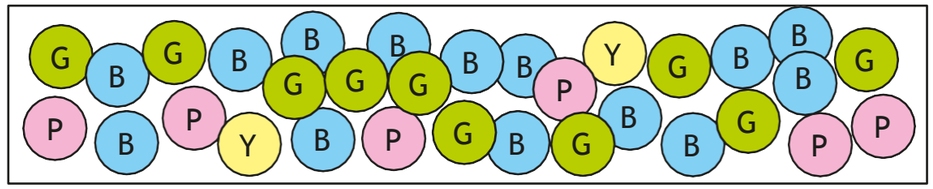


Chart A

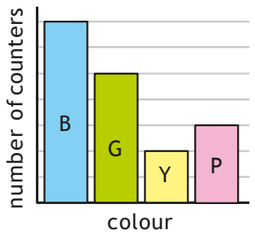


Chart B

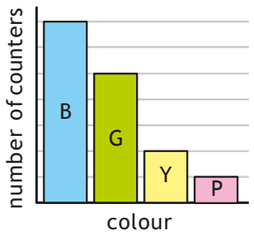
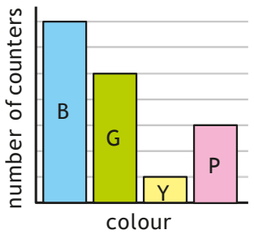


Chart C



Which chart best represents the picture? _____

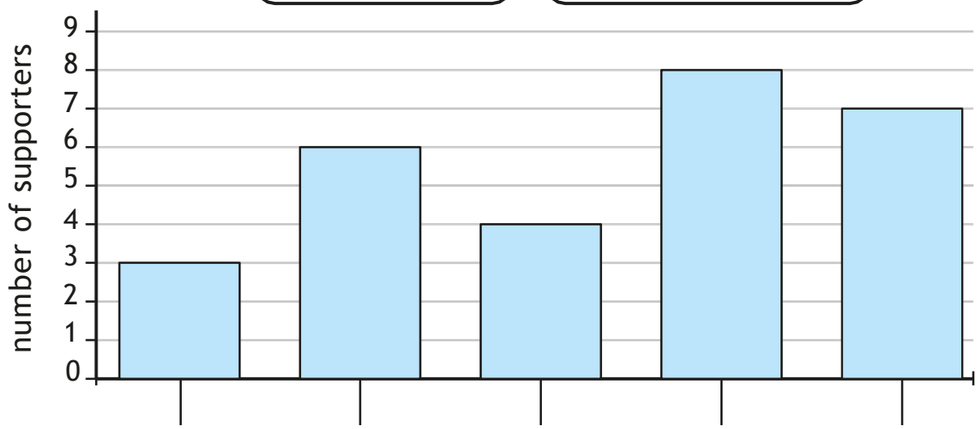
Talk to a partner about the reasons for your choice.

4

Use the clues to label the bar chart.

- The number of Huddersfield Town supporters is half the number of Halifax Town supporters.
- More people support Halifax Town than support any other team.
- More people support Manchester United than Leeds United.
- There is 1 less supporter of Bradford City than Halifax Town.

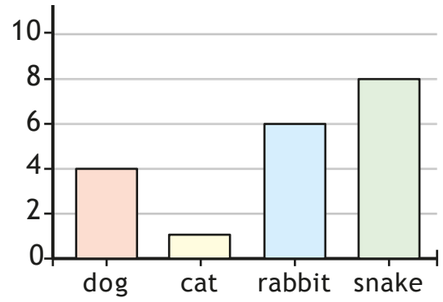
Bradford City | Huddersfield Town | Halifax Town | Leeds United | Manchester United



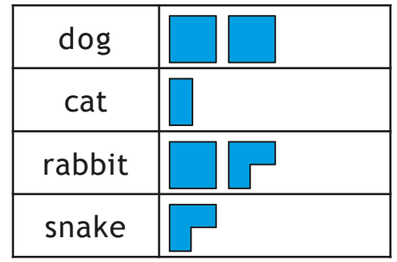
5

Four classes of children were asked what their favourite animals are. Match the tables to the charts.

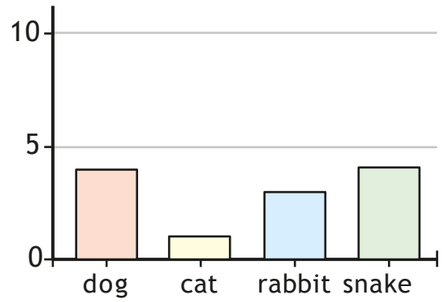
Class A	
dog	8
cat	2
rabbit	7
snake	12



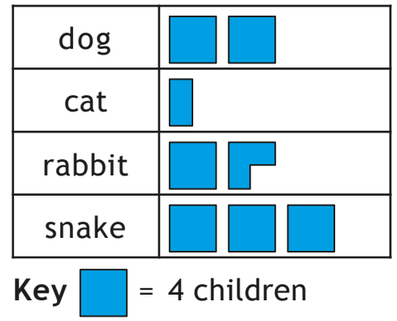
Class B	
dog	4
cat	1
rabbit	3
snake	4



Class C	
dog	4
cat	1
rabbit	6
snake	8



Class D	
dog	8
cat	2
rabbit	7
snake	3



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