Maths Planning and Ideas

Week Commencing: Monday 22. 02. 2021

Year Group: Year 3

	Monday	Tuesday	Wednesday	Thursday	Friday
Area of Learning	LC: Can you interpret bar charts (1)?	LC:Can you draw a bar chart?	LC: Can you interpret bar charts (2)?	LC: Can you interpret information in a table ?	LC: Can you problem solve?
Activity	**Starter:** Times Table Rockstars **Main:** Go to the following website: https://whiterosemaths.com/ Find and watch **Interpret pictograms** video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** Children to complete worksheet found in resources. Answers can be found in resources.	**Starter:** Times Table Rockstars **Main:** Go to the following website: https://whiterosemaths.com/ Find and watch **Draw bar charts activity** video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** There is no worksheet for todays lesson as it is an activity. Answers can be found in resources.	**Starter:** Times Table Rockstars **Main:** Go to the following website: https://whiterosemaths.com/ Find and watch **Bar charts** video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** Children to complete worksheet found in resources. Answers can be found in resources.	**Starter:** Times Table Rockstars **Main:** Go to the following website: https://whiterosemaths.com/ Find and watch **Tables** video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** Children to complete worksheet found in resources. Answers can be found in resources.	**Starter:** Times Table Rockstars **Main:** There is no video today, the children will be using there knowledge from this weeks learning to problem solve. **Independent Task:** Children to complete worksheet found in resources. Answers can be found in resources.

Where can I complete further work?

Twinkl – Subscription service used by schools is offering a free premium service for teachers, parents and children to use whilst schools are closed. Enter the code **UKTWINKLHELPS** for access to worksheets, powerpoints and interactive games to support all areas of learning.

Classroom Secrets – Free Maths, Reading and Grammar home learning packs and interactive resources for all ages.

White Rose Maths – Free Maths home learning resources for all ages. Watch the videos and try the questions.

Primary Stars – Free Maths home learning packs for Year 1 and 2.

BBC Bitesize Primary – Free learning resources available for KS1 and KS2 across all subjects.

I See Maths – Free daily home maths lessons hosted by Gareth Metcalfe. Follow the link for videos, information and resources.

Top Marks – Free educational resources and games for English and Maths.

ICT Games – Free educational resources and games for English and Maths.

22. 02.2021

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?

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.

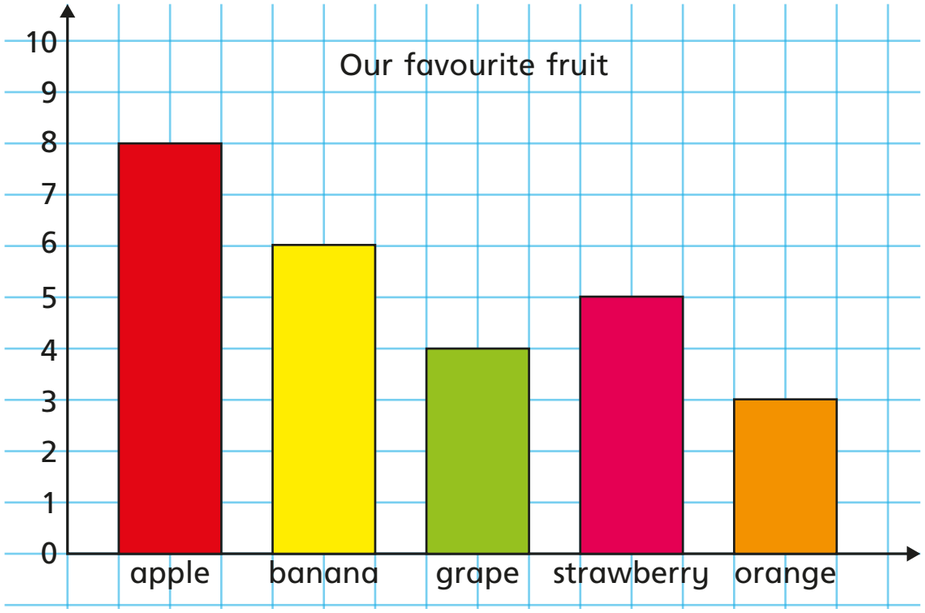
What is the same and what is different?

24.02.2021

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? ☐

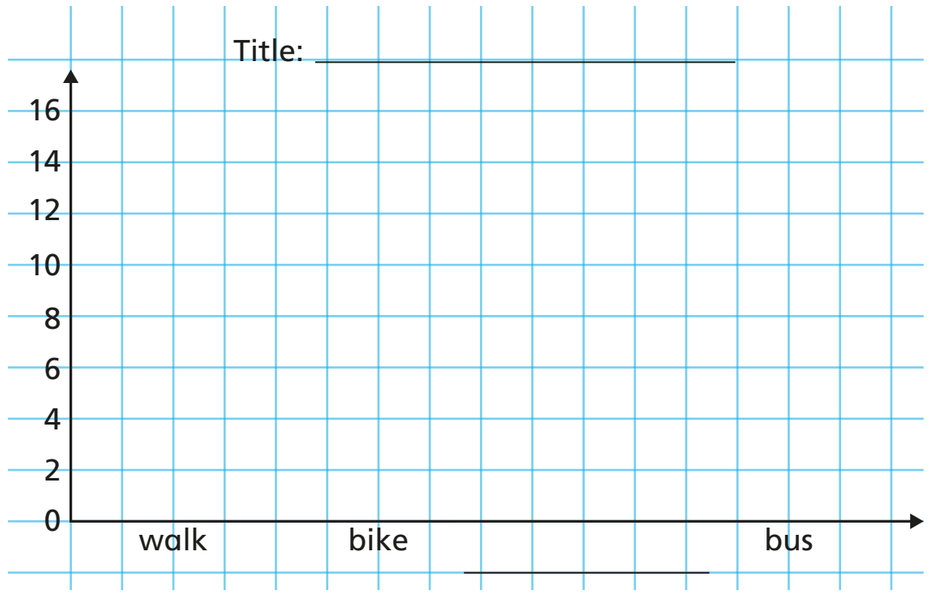
2 Some children are asked how they get to school.

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 ☐

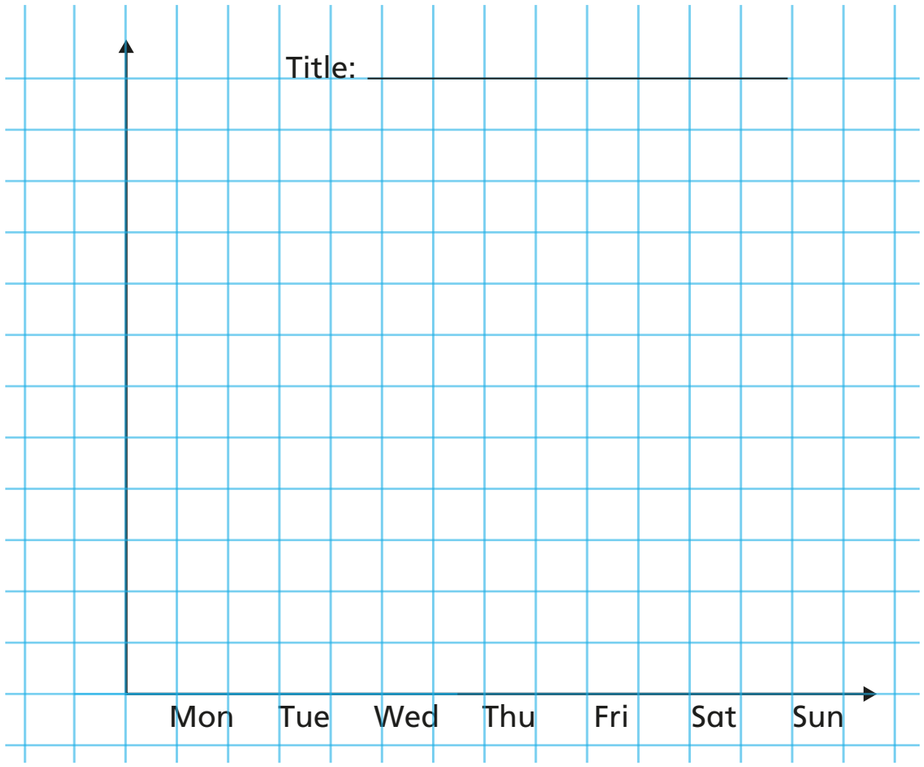
What are your reasons?

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

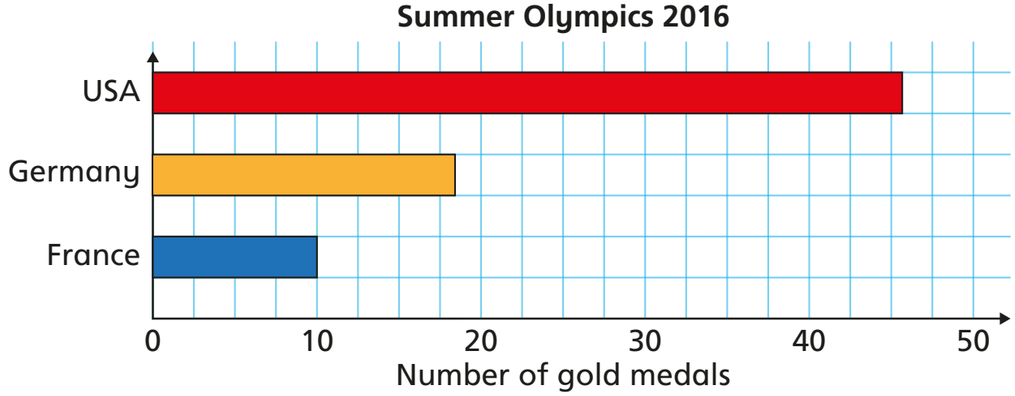
Day	Number of ice creams sold
Monday	4
Tuesday	2
Wednesday	7
Thursday	2
Friday	4
Saturday	10
Sunday	6

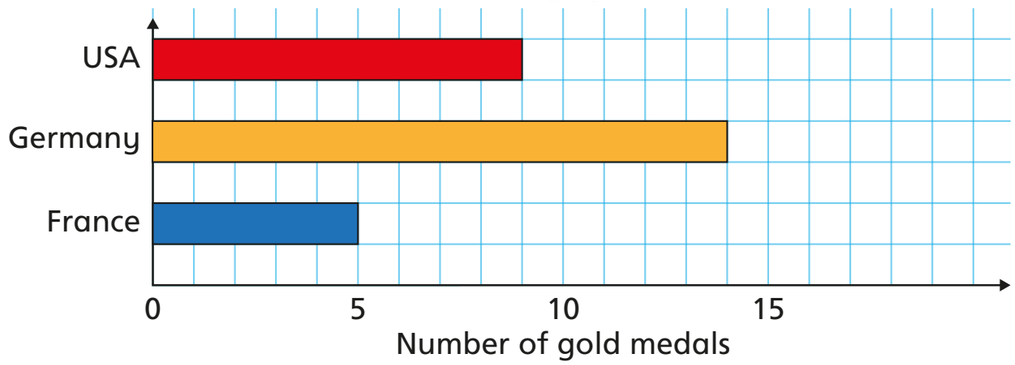
Key = 5 ice creams

Draw a bar chart to represent this data.

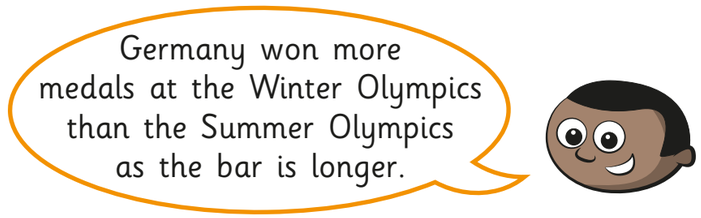


4 The bar charts show the number of gold medals won by some countries in the Summer and Winter Olympics.





a)



Is Mo correct? _____

How do you know?

b) Which country won the most medals in total?

_____

25.02.2021

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 ☐

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?

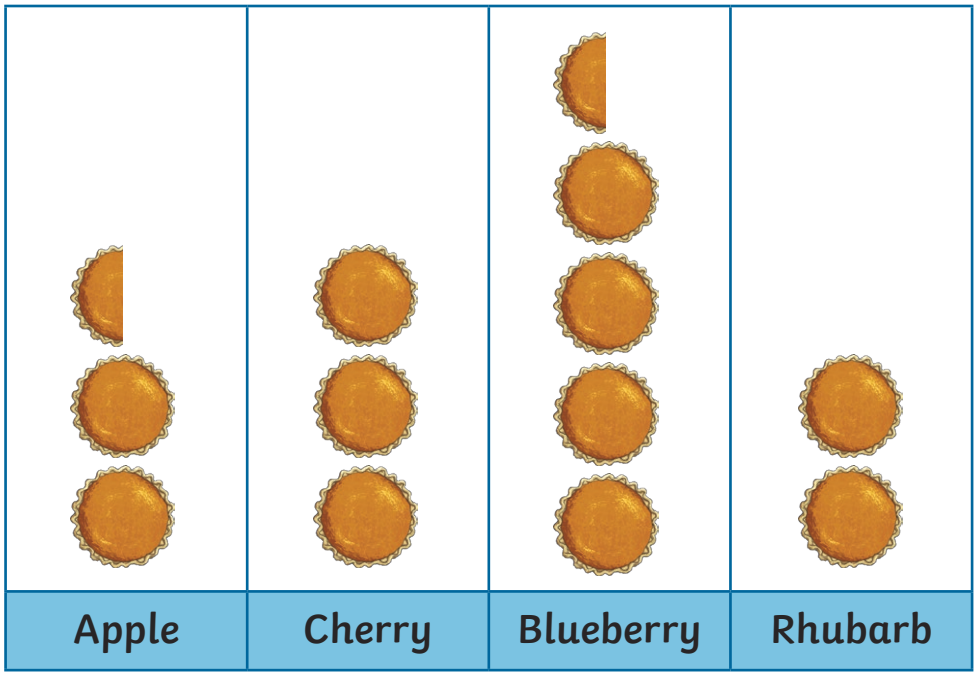
d) On which day do you think new magazines come out?

Why?

26.02.2021

1) Year 3 children at Pear Tree School voted for their favourite pie fillings.

They drew a pictogram to show the information.



a) 24 children chose cherry. What is the scale of the pictogram?

 = ☐ children

b) How many fewer children chose blueberry than all the children who chose cherry or apple put together?

c) If 4 more children voted for cherry, what would the most popular filling be? _____

d) How could you improve this pictogram?

_____

_____

e) Write 2 of your own questions that could be answered using this pictogram.

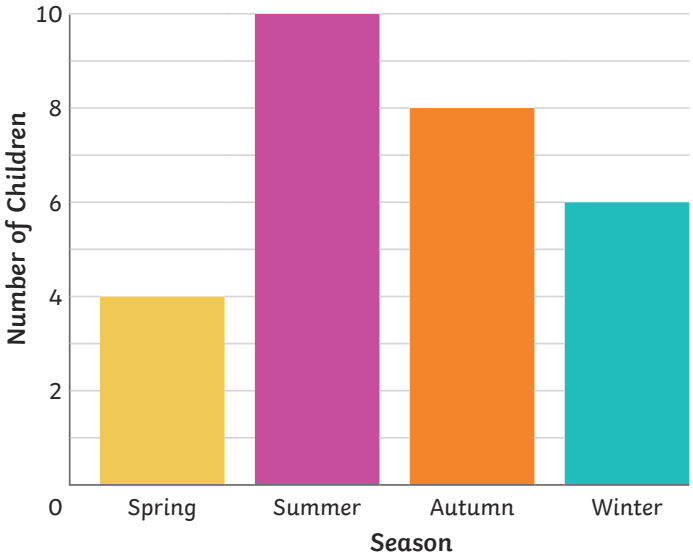
_____

_____

_____

_____

2) The bar chart shows what seasons the children from Class A were born in.



a) 2 children have birthdays in the spring. True or false? Explain your reasons.

b) Does the bar chart tell us how many birthdays are in July? Convince me.

c) What's the difference between the number of children born in autumn and winter?

d) How many children are in Class A altogether?

2) Draw a bar chart to show who was born in what season in your class.

Use what you know about bar charts to help you.

3) This table shows how many times the children went to after school club during the year.

Child	Mon	Tue	Wed	Thu	Fri
Ann	25	30	19	26	34
Hardeep	15	25			
Jaz		4	15	8	
Ben	39	39	39	39	39
Liz			30	19	22

a) How many visits to after school club have there been on a Friday?

b) Which children have attended after school club on everyday of the week?

c) How many times did Liz go to the after school club during the year?

d) Which child attended after school club 40 times?

e)

Ann: I think I went to after school club more times on Mondays and Tuesdays than on Thursdays and Fridays.

Do you agree? Explain why.

f)

Hardeep: I think Tuesday is the busiest day.

Liz: The most popular day to go to after school club is Thursday.

Who is right? Use your working out to explain your answer.

g) Do you agree? Explain your reasoning.

Ben: Without doing any adding, I can tell that I have attended the after school club more than anyone else.

h) What other questions could you ask and answer using this table?