

Monday

Mental Arithmetic:

I would like you all to spend some time on Times Tables Rockstars today. Please try and spend at least **30 minutes on TTRs**. It is up to you what you choose to go on, but I would like you to complete another **soundcheck** today so that I can see how you are doing. Your login is the same as the one you use in school.






































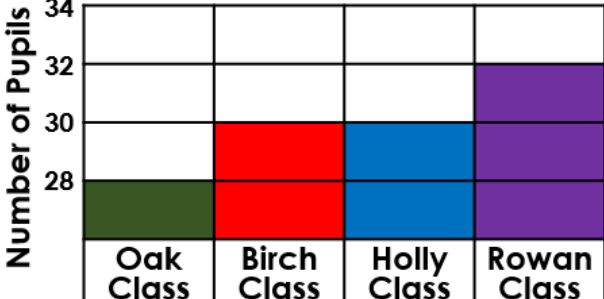
<https://play.ttrockstars.com/auth>

As you know, times tables are important, but they are also needed to help you to answer questions quickly this week. You are going to be looking at statistics including bars, graphs and charts. You may be required to calculate values which would be easier if you knew your times tables well. For example, if the key tells you that a car in a pictogram is worth 10. If you had half a van, it would be useful to quickly know what $10 \div 2 = ?$ Also, if there are 7 vans, it would be useful to know 7×10 . For this reason, you should practise the following times tables to help you learn and recall them quickly.

- | | | | | |
|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1) $6 \times 3 =$ | 2) $49 \div 7 =$ | 3) $4 \times 8 =$ | 4) $24 \div 3 =$ | 5) $5 \times 9 =$ |
| 6) $12 \div 2 =$ | 7) $9 \times 8 =$ | 8) $30 \div 6 =$ | 9) $7 \times 4 =$ | 10) $18 \div 2 =$ |

Tuesday (Varied Fluency)

Focus: to interpret data using graphs and charts

<p>a. Look at the pictogram: Y4 Pets</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Cat</td> <td></td> <td rowspan="5" style="text-align: center; vertical-align: middle;">  each image = 6 </td> </tr> <tr> <td>Dog</td> <td></td> </tr> <tr> <td>Fish</td> <td></td> </tr> <tr> <td>Rat</td> <td></td> </tr> <tr> <td>Snake</td> <td></td> </tr> </table> <p>Fill in the blanks in the table.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>Cat</th> <th>Dog</th> <th>Fish</th> <th>Rat</th> <th>Snake</th> </tr> <tr> <td>27</td> <td></td> <td></td> <td>6</td> <td></td> </tr> </table>	Cat		 each image = 6	Dog		Fish		Rat		Snake		Cat	Dog	Fish	Rat	Snake	27			6		<p>b. Look at the pictogram: Shoe Size</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">1</td> <td></td> <td rowspan="5" style="text-align: center; vertical-align: middle;">  each image = 10 </td> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>3</td> <td></td> </tr> <tr> <td>4</td> <td></td> </tr> <tr> <td>5</td> <td></td> </tr> </table> <p>Fill in the blanks in the table.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> </tr> <tr> <td></td> <td>30</td> <td>35</td> <td></td> <td></td> </tr> </table>	1		 each image = 10	2		3		4		5		1	2	3	4	5		30	35		
Cat		 each image = 6																																									
Dog																																											
Fish																																											
Rat																																											
Snake																																											
Cat	Dog	Fish	Rat	Snake																																							
27			6																																								
1		 each image = 10																																									
2																																											
3																																											
4																																											
5																																											
1	2	3	4	5																																							
	30	35																																									
<p>a. Look at this bar chart: Distance Travelled</p>  <p>Fill in the blanks in the table below.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>Truck 1</th> <th>Truck 2</th> <th>Truck 3</th> <th>Truck 4</th> </tr> <tr> <td></td> <td></td> <td>20km</td> <td></td> </tr> </table>	Truck 1	Truck 2	Truck 3	Truck 4			20km		<p>b. Look at this block graph: Pupils per class</p>  <p>Fill in the blanks in the table below.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>Oak</th> <th>Birch</th> <th>Holly</th> <th>Rowan</th> </tr> <tr> <td></td> <td>30</td> <td></td> <td></td> </tr> </table>	Oak	Birch	Holly	Rowan		30																												
Truck 1	Truck 2	Truck 3	Truck 4																																								
		20km																																									
Oak	Birch	Holly	Rowan																																								
	30																																										

Wednesday (Varied Fluency)

a. Think of two questions to ask about the information in this tally chart:
Breakfast

Cereal	
Fruit & Yoghurt	
Toast	

b. Think of two questions to ask about the information in this tally chart: *Car Colour*

Black	
Silver	
Red	

a. Use the information in the table to create a bar chart: *Livestock*

Goats	
Sheep	
Pigs	

b. Use the information in the table to create a bar chart: *Holiday Activities*

Hint: Remember to add a scale.

Walk	10
Swim	30
Museum	50

Thursday (Varied Fluency)

a. Look at the bar chart: *Distance Beanbag Thrown*

A. Which is the furthest distance most pupils could throw?

B. How many pupils threw 3.5 metres or more?

b. Look at the table: *Vegetables Planted*

	Jan	Feb	Mar
Onions	23	32	43
Garlic	36	15	13
Cabbage	12	8	4

A. How many garlic bulbs were planted in February?

B. In which month were the most vegetables planted?

a. Use the table to calculate the number of people who voted.

Favourite Activities at Luna Leisure Centre

Activity List	Votes
Swimming	80
Yoga	60
Badminton	40
Karate	50

Sort the activities in order from the most to least popular.

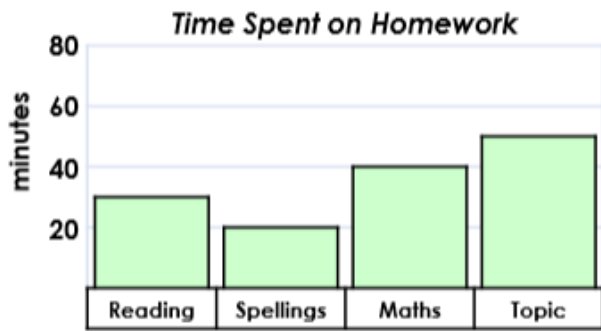
b. Use the table to calculate the number of leaves collected on the forest trail.

Leaves Collected on Forest Trail

Leaves	Number
Oak	90
Birch	50
Holly	100
Ash	60

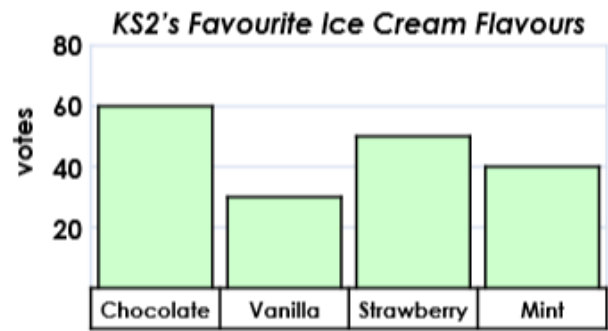
Sort the types of leaves in order from the most to least common.

a. Complete the sentences below.



There were _____ more minutes of Maths than Spellings. Reading took _____ fewer minutes than Topic.

b. Complete the sentences below.



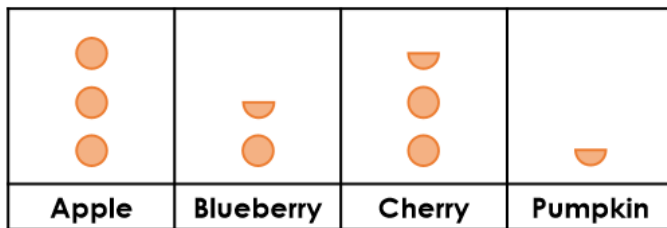
Chocolate beat Vanilla by _____ votes. Strawberry was _____ votes behind the winner.

Friday (Varied Fluency)

Focus: to solve comparison, sum and difference problems using information presented in charts and graphs

a. Calculate the difference between the number of apple and pumpkin pies sold.

Pies sold at a bake sale



= 10 pies

Which two types of pie were bought by 40 people altogether?

b. Calculate the difference between the frogs found in the pond and the river.

Areas where frogs were found in a National Park



= 10 frogs

In which two areas were 35 frogs found altogether?

Fun Friday! After answering all of the questions this week, have a go at creating your own bar, chart or graph by collecting some information. It is up to you what information you find out. For example, you might want to find out people's favourite colour, if they have any pets, their favourite animal, shoe size etc.

You could collect this information in a tally chart and would then show the information in a graph or chart of your choice. Remember that you will need to draw these, include the correct titles/labels for your graph/chart and include a scale which goes up in the same value each time. Your categories would go along the x axis at the bottom and your scale on the y axis.

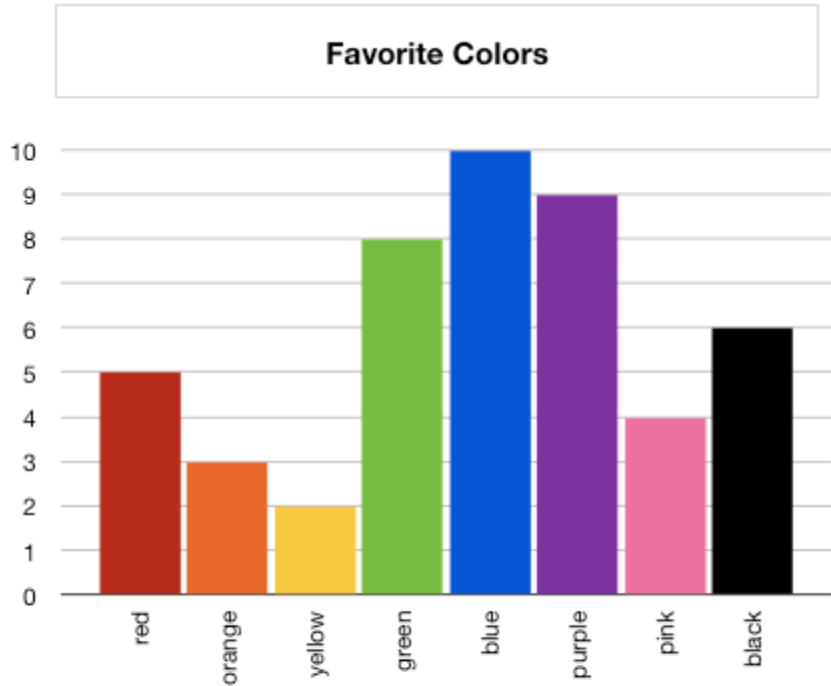
There is an example **shown on the next page** but you do not have to do it exactly like this. You can choose to research whatever you would like. You might need to ring up some family or simply ask people who you have in your household but remember that your scale will change depending on the number of people you ask. If I asked 100 people, I would not have a scale which goes up in 1 each time, it might go up in 10s or 20s.

This will be an extremely useful activity which will help you to understand statistics, interpreting and presenting data even better. I hope you have fun doing this!

Example graph which shows you how to collect and present information (and drawing conclusions).

Graphing

Favorite Colors	Number of Votes
red	5
orange	3
yellow	2
green	8
blue	10
purple	9
pink	4
black	6



Which one had the MOST votes?

blue	✓
------	---

Which one had the LEAST votes?

pink	✗
------	---