

# Year 3 maths newsletter



## Spring 1

This half-term will be split into three maths topics. Children will continue with the 'multiplication and division', unit before moving onto 'money' and then they'll end the half-term on 'statistics'.

Any queries please email either:  
[emma.helliwell@appletonacademy.co.uk](mailto:emma.helliwell@appletonacademy.co.uk)  
[charlotte.rhodes@appletonacademy.co.uk](mailto:charlotte.rhodes@appletonacademy.co.uk)

## Number: multiplication and division

### Multiplying a 2-digit number by 1-digit

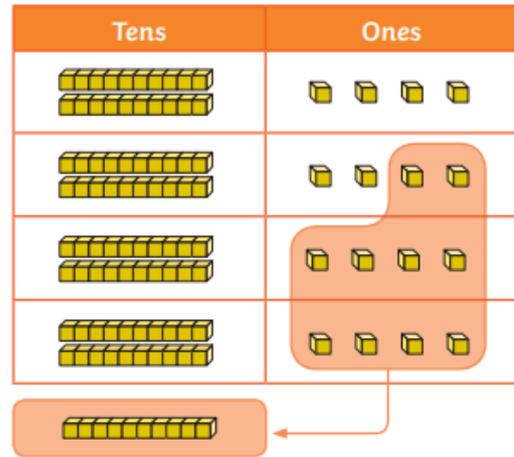
Children will first use their understanding of repeated addition to represent the problem pictorially.. This also helps visualise the exchange/regroup..

$$24 \times 4 = 96$$

#### The column method

H	T	O	
	7	3	
		4	X
	1	2	
	2	8	+
	2	9	2

1. Always start with the ones. Complete  $3 \times 4$  and write under the ones column.
2. Next, do the tens times by the ones.  $70 \times 4$  and write the answer in the correct column.
3. Finally, total the remaining amounts and write your answer.



They then apply their understanding of the column method to complete calculations.

## Money

### Convert money

Children convert between pounds and pence using the knowledge that is £1 is 100 pence.



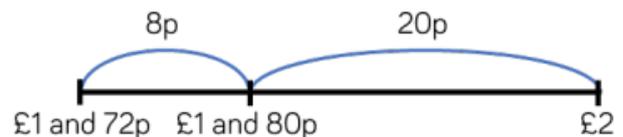
120 pence

100 pence is £1

120 pence is £1 and 20 pence.

### Add and subtract money

Children will apply their addition and subtraction skills to calculating money totals and giving change.



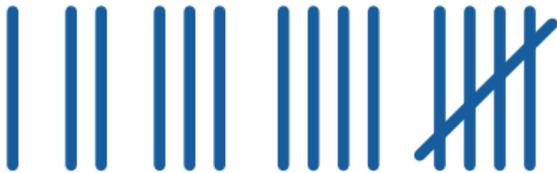
If you have any questions on how to support your child at home, please contact your child's teacher.

## Statistics

Children will revisit statistics learning from Year 2 and build on these existing skills.

### Tally charts

Children will use tally charts to record data.

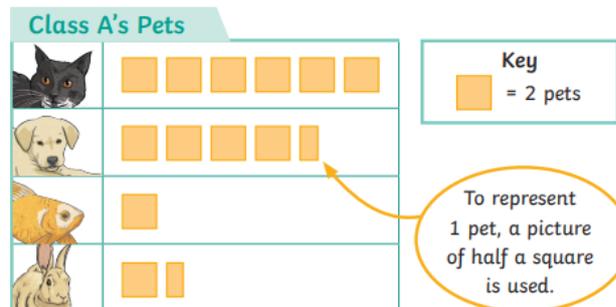


Eye Colour	Tally	Total
brown		6
blue		8
green		3
grey		4
hazel		5

### Pictograms

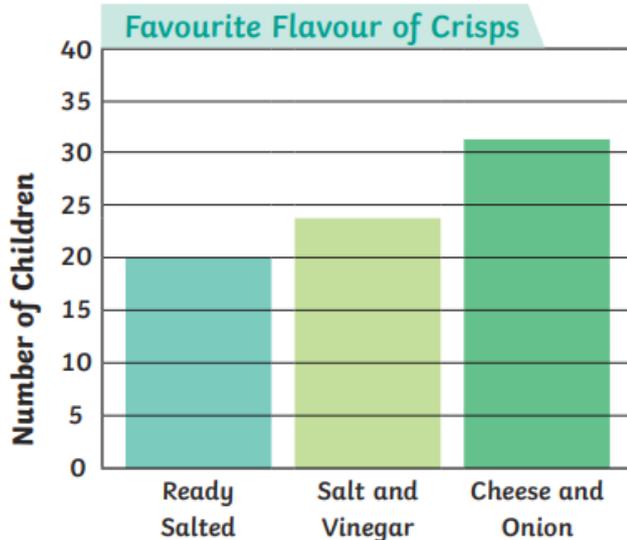
They continue to read and interpret information in order to answer questions about the data.

They will construct their own pictograms and choose an appropriate key.



### Bar charts

Children interpret information in pictograms and tally charts in order to construct bar charts.



### Tables

Children interpret information from tables to answer one and two-step problems.

#### Changes in bus ticket prices

The cost of Ron's new ticket is 60p. How much was his ticket last year?

Which ticket price has increased the least?

Which ticket price has increased the most?

1 <sup>st</sup> January	
2016	2017
44p	49p
56p	60p
64p	69p
76p	85p
85p	93p
98p	£1.03
£1.05	£1.11

## Vocabulary

The following vocabulary is used in the classroom to support learning. Please continue to support your child at home by using the same vocabulary.

### Statistics

data  
pictogram, bar chart, table  
key  
intervals  
horizontal/vertical axis  
interpret

### Multiplication and division

times tables  
multiply by, times by  
divide by, share by  
regroup  
array  
fact families

## Further support at home

To support your child at home, we encourage the use of the classroom vocabulary and the same methods/strategies of calculation.

When working with your child at home, you can ask them the following question starters to further demonstrate their understanding.

- How do you know...
- Can you estimate...
- What pattern do you notice?
- Can this be done in a different way?
- What other strategies can we use to work out?
- What does each symbol represent?
- Can you explain what would happen if...
- Which is your favourite method? Why?
- How can we check our answers are correct?

## Times tables practise

Times Table Rock Stars is a fun and interactive way for your child to practise their times tables at home. Year 3 focuses on the 3s, 4s and 8s times tables. Please continue to practise and support your child with these at home.

<https://trockstars.com/>

If you have any questions on how to support your child at home or need any log in information, please contact your child's class teacher.