

“All mathematicians share... a sense of amazement over the infinite depth and the mysterious beauty and usefulness of mathematics.”

Martin Gardner



Maths Newsletter

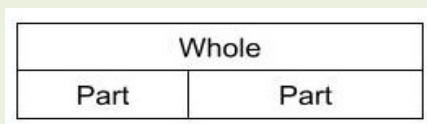
Welcome to Elvington's Autumn Maths newsletter. We hope you find the enclosed information useful. Each newsletter will feature, a maths strategy that we teach in school, maths book recommendations for you to enjoy with your child, some KS1 and KS2 maths challenges, and details of upcoming events.



This term in Maths, all classes will have begun units on Place Value, Addition & Subtraction and Multiplication & Division. Children will have recapped or been introduced to new methods within these units. You can support your child at home to increase their fluency with these methods.

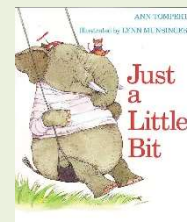
Bar Model Method

The Bar Model method has become more and more popular in schools across the UK due to its success within Singapore while teaching Maths. It works by showing a clear visual representation of a calculation representing the parts and the whole. We use the method from EYFS up to Year 6 across all areas of calculation and when solving problems. Some examples are shown on the left.



Maths Book Recommendation

Just a Little Bit- When an elephant and a mouse try to play on a seesaw, they need help from a vast number of animal friends to balance the scales.



Problem Solving Challenges- answers in the next maths newsletter.

KS1 Challenge

Bean-bag buckets

Dan threw 3 bean-bags.
Each bag went in a bucket.
More than one bag can go in a bucket.

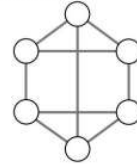


1. What is the highest score Dan can get?
2. Find three ways to score 6.
3. Find three ways to score 9.
4. What other scores can Dan get?

KS2 Challenge

Neighbours

Use each of the numbers 1 to 6 once.
Write one in each circle.



Numbers next to each other must not be joined.
For example, 3 must not be joined to 2 or 4.

1 2 3 4 5 6

Answers to summer problem solving challenges...

KS1 Challenge

16 Monster

Alesha can use these coins to pay 45p:

- two 20p and one 5p
- one 20p, two 10p and one 5p
- one 20p, one 10p and three 5p
- one 20p and five 5p
- four 10p and one 5p
- three 10p and three 5p
- two 10p and five 5p
- one 10p and seven 5p
- nine 5p

There are 13 different ways to pay 50p using only silver coins. First add 5p to each of the ways for 45p. The other four possibilities are:

- two 20p and one 10p
- one 20p and two 10p
- five 10p
- one 50p

KS2 Challenge

70 A bit fishy

Nasreen bought 4 angel fish and 8 goldfish.

Upcoming Maths Events

- **Maths England Times Table Rockstar Competition-** Tuesday 14th November- Thursday 16th November. An opportunity for children to compete in their classes against classes across England on TTR. The classes with the highest average scores in England could win **Amazon vouchers** for their class from TTR. The class that puts in the most effort at Elvington Primary will win a **pizza party in their class!**
- **Times Table knockout competition-** Thursday 14th December. Who will be the fastest Rockstar in each year group? Children will compete in class to answer as many questions as they can in a set time. The top 6 children in each year will go through to the live final in the hall to find Elvington's ultimate Rockstars!



Upcoming Maths Events



- **Class 4 Cake Stall**- Friday 24th November. To raise money for Maths resources, each class will be taking part in one cake stall throughout the year. When it is your child's cake stall, we would appreciate it if your child could bring in either some biscuits, cakes or tray bakes to sell.

Here is our list of the some free homework websites and apps suitable for children and parents/carers:

- **Times Table Rockstars.** Support your child to learn their times tables.
<https://play.ttrockstars.com/auth/school/student/17541>
- **Numbots** EYFS/KS1 online site to support your child in recall and fluency of mental addition and subtraction facts.
<https://numbots.com/>
- **My Maths.** Homework will be set each half term by your child's class teacher for them to access on My Maths.
<https://www.mymaths.co.uk/>
- **UR Brainy.** Y4's online site to practice for the Multiplication Times Table Check.
<https://urbrainy.com/mtc/test>
- **BBC Bitesize.** KS1 & 2 child friendly mathematical games and videos.
www.bbc.co.uk/bitesize/subjects/z826n39
- **Hit the Button.** Support your child with their recall of times tables and number facts.
www.topmarks.co.uk/maths-games/hit-the-button
- **Math is Fun.** Online worksheets covering all areas of Maths.
www.mathsisfun.com



Thank you for your continued support. Please do come and chat with Miss. Palmer (Maths Lead) or your child's class teacher if you require any more support with Maths at home.