

Squares & Triangles Maths
Week beginning 20th April 2020

Please pick one maths activity to complete each day.

Activity 1: Multiplication

- Re-watch the video on the grid method: <https://www.youtube.com/watch?v=4PcsEtIgei8>
- These videos will help re-cap how we multiply using the 'Formal Written Method' (chimney sum)
2-digit multiplied by 1-digit <https://www.khanacademy.org/math/arithmetic/arith-review-multiply-divide/arith-review-multi-digit-mult/v/2-digit-times-1-digit-example-no-carrying>
4-digit multiplied by 1-digit <https://www.khanacademy.org/math/arithmetic/arith-review-multiply-divide/arith-review-multi-digit-mult/v/4-digit-times-1-digit-example>
*There are a range of helpful videos on the left-hand side of the site, feel free to view them!
**Remember to ADD the numbers you carry into the next column.
- Complete the worksheet and upload to **Assignments under 'Squares and Triangles Multiplication'**

Activity 2: Worded Problems

- Complete the worksheet and upload to **Assignments under 'Squares and Triangles Worded Problems'**.
- *Please ensure you read questions carefully and show your working. Remember that you will have to carry out more than one equation (sum) for each problem before you reach the final answer.*

Activity 3: Problem Solving (1)

- Complete the 'Total 15' worksheet and upload to **Assignments under 'Total 15'**
- Additional online game (optional) <https://www.topmarks.co.uk/Flash.aspx?f=MagicSquares>

Activity 4: Problem Solving (2)

- How many different clothing combinations can you make for Bobby Bear?
<https://www.nctm.org/Classroom-Resources/Illuminations/Interactives/Bobbie-Bear/>
You can adjust the challenge level of the game by pressing the 'Customize' button. Can you work out a way to find out the answer to the question 'how many outfits can you make?' without having to put each outfit on?
- Head over to <https://nrich.maths.org/108> and work through the 'Teddy Town' problems. These problems are solved using what is known as 'logic'.
You can work through it online or can use coloured card, drawings or teddies to help you work through the problems.

Upload your solutions to the **Assignment titled 'Teddy Town Problem Solving'**.

Activity 5: Sumdog

- Complete the challenges and assessments on Sumdog