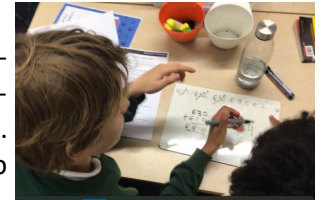


News

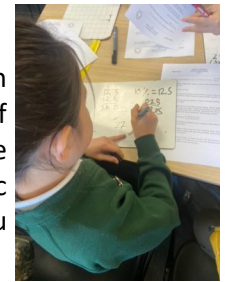
It's been a busy month for maths! Firstly, a huge well done to the winners of our TTRS class competition. Our overall winners were Dragon with Wyvern in second and Sprite in third. They have all enjoyed a Christmas film afternoon this week. Well done to the weekly winners over the last month: Oliwier, Darcy, Scyld, Olivier, Victoria, Wilf, Isaac, Riti, Emilia and Ann Riya.



Year 5 and 6 were also lucky enough to have a visit from Nationwide Building Society. They learnt about a variety of things including how to budget and save and how to keep their money safe. We are hopefully going to welcome Nationwide back next year to work with some of our younger pupils.



Finally, last week 4 pupils from Year 6 represented the school at the Invicta Maths Challenge in Maidstone. Abigale, Riitaj, Alex and Olivia all did a fantastic job at representing Slade in a variety of different challenges that involved maths and team work. They did brilliantly, finishing in 2nd place out of 12 schools. There was only 3 points separating us from first place. Well done on a fantastic achievement all of you! One particularly challenging question was 'How many times would you write the digit '1' if you wrote the numbers 1—1000'? Send your answers to us!



Maths Website of the Month

There's a whole host of different Christmas activities and games on this website! How many different ones can you complete? <https://www.transum.org/Intro/Xmas.asp?ID=781>



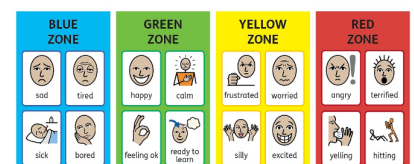
Parents and Carers Corner

Each month we are looking at Jo Boaler's work on maths anxiety in children.

Validate their emotions and offer alternative thoughts

Maths can be intimidating for many people. Many find it intimidating because in many areas of maths an answer is either right or wrong—there is no middle ground! Fear is not always a bad thing—our body uses this state of apprehension to prepare us in advance to handle stressful or threatening situations. Fear can be seen as a way to protect against any experience that might feel dangerous or cause insecurity. Helping children acknowledge and label their feelings about maths might help them think about strategies for feeling positive about it; or that a bit of extra practice might make them feel more positive about maths.

At Slade, we use the Zones of Regulation to help children understand their feelings. You might want to ask your child what zone they are usually in when they do maths. How can they get themselves back in the green zone to feel more confident about maths?



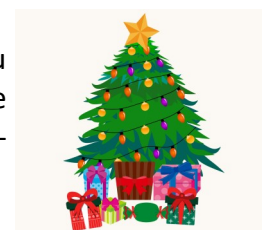
We want to see what maths you get up to at home! Send in pictures of yourself doing maths at home. It could be that you want to do some maths based on the monthly topic (see below), or you might want to come up with your own ideas. Some suggestions might include: making patterns, drawing pictures, using money, cooking and so on. The world is your oyster! Send your photos into maths@slade.kent.sch.uk by Friday 12th January.

This month's theme is Christmas maths!



Christmas maths

- ⇒ Can you count how many days it is until Christmas Day? What about how many hours until it will be until 6am on Christmas morning?
- ⇒ Can you help an adult with some Christmas baking? Make sure you are accurate with the weighing and measuring!
- ⇒ Can you buy a present for someone using money? Double check that you get the correct change!
- ⇒ Look at the presents under the tree. Can you count how many there are? Can you organise them into groups for who they are for? Can you write a number sentence showing how many presents there are in total? Can you organise them from smallest to biggest? Think carefully about the different ways there might be to do this!
- ⇒ Can you play a game that involves counting how many spaces you move on a grid? Can you play Monopoly where you are the banker? Make sure everyone gets the correct money each time.
- ⇒ Can you plot a Christmas shape on a coordinate grid? This website is good to use: https://oercommons.s3.amazonaws.com/media/courseware/relatedresource/file/imth-6-1-9-6-1-coordinate_plane_plotter/index.html
- ⇒ If it snows, can you compare the size of your footprint to other people in your family? How many heel-to-toe footsteps does it take you to get from one place to another? How does the size of your feet impact this?



Reflecting back

In January we set you some different challenges. I wonder which ones you were able to complete?

- ⇒ How much taller are you than in January? How much more do you weigh? How did you choose to measure these?
- ⇒ Did you manage to learn the months of the year and how many days each month has? Do you know how many weeks and days there are in a year?
- ⇒ Did you set yourselves a mathematical New Year's resolution? How did you get on with it?

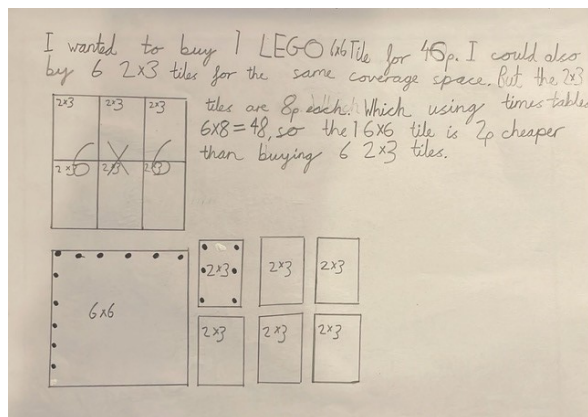


Maths at Home

There were lots of children who were busy working on their maths skills after November's newsletter. Well done to everyone who sent in their photos. We hope you enjoy looking at the fantastic maths they got up to!



Well done to Lochie (Y3) who has been learning all about money! Well done, Lochie!



We were really impressed by the work done by Paul (Y4). Paul was interested in working out the most financially effective way of getting the correct Lego he needs for one of his creations. He's clearly thought carefully about what he needs. Well done, Paul—this is fantastic!



We were so impressed with the work that Arjun (Y3) completed this month. He sent in a whole host of different photos of him completing maths with Uno cards. We especially liked these three, where he is playing the 100 number square game (mentioned in last month's newsletter); finding the missing values of the special cards and working with fractions. Well done, Arjun!

Can you complete the calculations to reveal the mystery Christmas pictures?

Brown

Blue

Red

Black

Green

White

1 - 5

6 - 10

11 - 20

21 - 40

41 - 80

81 - 100

red = 0 to 5

blue = 11 to 15

black = 6 to 10

yellow or gold = 16 to 20

$36 \div 4$	$6 \div 2$	$16 \div 2$	$18 \div 6$	4×2	$40 \div 8$	$27 \div 3$	2×2	$12 \div 2$
5×2	$45 \div 5$	$35 \div 7$	$24 \div 4$	3×3	$14 \div 2$	1×5	$21 \div 3$	$18 \div 2$
$35 \div 5$	$36 \div 6$	$54 \div 9$	3×1	$12 \div 4$	$27 \div 9$	$81 \div 9$	$64 \div 8$	$50 \div 5$
4×2	1×9	$8 \div 2$	$24 \div 6$	$32 \div 8$	$15 \div 3$	$18 \div 9$	$30 \div 5$	$42 \div 7$
$48 \div 8$	10×1	4×1	10×10	$10 \div 2$	11×9	1×1	$16 \div 2$	$63 \div 9$
$30 \div 5$	$24 \div 8$	$15 \div 5$	6×6	$12 \div 4$	4×8	$10 \div 2$	$9 \div 3$	3×3
6×7	2×2	$25 \div 5$	$12 \div 6$	$16 \div 8$	$6 \div 3$	5×1	$4 \div 2$	5×9
8×8	5×10	$6 \div 6$	$3 \div 1$	$8 \div 4$	$10 \div 5$	$18 \div 6$	8×6	10×8
6×10	12×5	$15 \div 3$	$18 \div 9$	$8 \div 2$	3×1	$12 \div 4$	11×6	8×7
7×9	5×11	9×8	4×4	$36 \div 3$	9×2	10×7	7×6	7×11

$2 + 2$	$4 + 1$	$9 - 5$						
$7 - 4$	$6 - 3$	$3 + 2$						
$2 + 1$	$1 + 1$	$7 - 3$			$20 - 1$		$10 + 10$	
$6 - 1$	$20 - 15$	$10 - 6$		$15 + 5$		$11 + 8$		$20 - 2$
$10 - 5$	$3 + 1$	$10 - 7$			$20 - 3$	$10 + 7$	$19 - 3$	
				$20 - 9$	$18 - 4$	$14 + 6$	$8 + 3$	$20 - 8$
$20 - 14$	$4 + 4$	$19 - 9$		$10 + 6$	$11 + 9$	$20 - 4$	$15 + 4$	$17 + 3$
$3 + 3$	$15 - 9$	$12 - 4$		$16 - 3$	$20 - 5$	$12 + 8$	$9 + 6$	$6 + 5$
$5 + 4$	$20 - 13$	$6 + 4$	$13 - 4$	$10 + 4$	$8 + 4$	$12 + 7$	$20 - 7$	$9 + 4$
$17 - 7$	$11 - 3$	$5 + 5$	$20 - 10$	$20 - 6$	$9 + 3$	$13 + 7$	$10 + 5$	$19 - 5$