

News

We have seen a big increase in the number of children regularly logging into their Times Tables Rock Stars accounts. A big well done to the following children who have all been nominated as Rock Stars of the Week since our competition began: Esmee, George, Elinor, Charlotte, Zi, Harriet, Riti, Venika, Beatrice and Layla. Remember to keep on practising your times tables over the Christmas holidays!

We very pleased to inform you about the fantastic performance that Slade produced in Primary Maths Challenge at Invicta Grammar School in Maidstone. Our team of Jing-Yi, Ethan, Tapasya and Iris competed against 8 other teams and came in 2nd place. The standard of questions was extremely high and all four of the children did a fantastic job at working as a team and solving the problems. The maths teacher from Invicta was particularly impressed at the range of methods that Slade used. Well done Team Slade!



Christmas Cracker Joke!

Q: What do mathematicians do after a snowstorm?

A: Make snow angles!

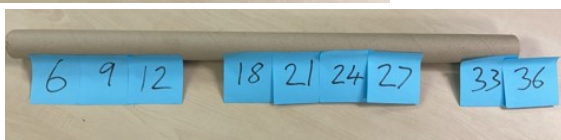
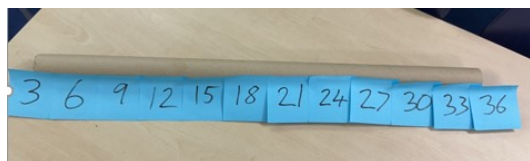


Christmas Counting Stick



Use your left over inner tubes of wrapping paper to make your very own counting stick!

Counting sticks are a great way a practising counting in different number jumps. Simply write out the times tables on a post it note and stick it on the tube. As you get more confident, start to remove the post-it notes. Remember, you can always have a quick look if you forget! Keep reducing the post it notes until you can count the whole way up. Can you learn a new times table this holiday?



This great video shows how powerful counting in this way can be:

<https://www.youtube.com/watch?v=yXdHGBfoqfw&t=87s>

Maths Website of the Month

This month we've chosen the Christmas section on the Transum website:

<https://www.transum.org/Christmaths/>

There's lots of different types of Christmas activities to have a go on here. You can also alter the difficulty of lots of the games by selecting the level at the top of the page. One of our favourites has been the Xmas Tree Light Up logic puzzle. Can you find a way to light up all of the lights?



Parents and Carers Corner

Do your children sometimes struggle with their homework? Does it sometimes cause friction in your household? Try some of these question prompts to help ease the situation:

- What mistakes might we make?
- What might be tricky?
- What could we use to help us?
- What other topics could we do in real life?
- What mistakes might we make?
- What might be tricky?

Competition Time!



We want to see what maths you get up to at home! Send in pictures of yourself doing maths at home and you could win a prize! 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 9th of January** for your chance to win! Winners will be announced in assembly and in next month's newsletter.

Maths at Home

In each newsletter there will be some suggestions for activities that you can do at home. Each month we will either have a focus using one resource or a focus on one area of maths.

This month, we our theme is...Christmas!

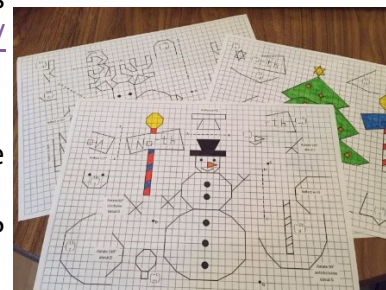
Reception and KS1

- ⇒ Can you count how many days it is until it is Christmas Day?
- ⇒ Can you help an adult with some Christmas baking? Make sure you are careful with your weighing and measuring!
- ⇒ Can you buy a present for someone using money?
- ⇒ Can you play a game that involves rolling a dice and counting how many spaces to move on a board?
- ⇒ 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!



KS2

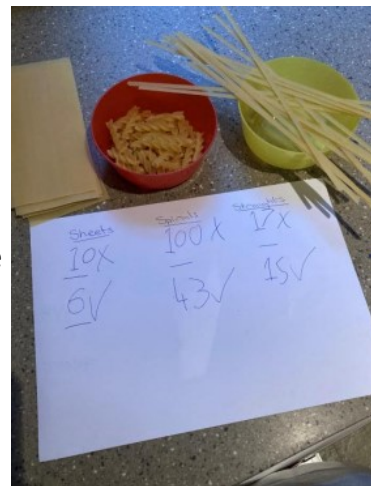
- ⇒ Can you help an adult with some Christmas baking? Make sure you are accurate at reading the scales.
- ⇒ Can you use money to buy some Christmas presents? Double check that you get the correct change!
- ⇒ On each day of the Christmas holidays, can you calculate how many hours it will be until 6am on Christmas morning? If you really want a challenge, can you work out how many minutes it will be?
- ⇒ Can you draw a Christmas scene using different shapes?
- ⇒ 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
- ⇒ Can you play Monopoly where you are the banker? Make sure everyone gets the correct money each time.
- ⇒ Can you keep track of the points scored in a family Christmas game? What is the best way to keep track of the points?



Maths at Home Competition Winners

This month's winner is Lilly in Year 1. We were really impressed at all the different activities Lilly did, which included estimating the number of pieces of pasta, making patterns, going shopping in her own shop and calculating different ways to make different amounts of money. All of this was done with a huge amount of enthusiasm, as she had a huge smile on her face in all the photos! Well done, Lilly! Her prize is the game Monopoly Junior!

Don't forget to send in your entries for next month's competition!



Emilia in Year 1 doing some great adding with pasta hair!



Elinor in Year 4 using pasta to make isosceles triangles.



Sibling rivalry in action in the estimating battle that took place between Yaseen in Year 5 and Sofia in Year 4.



Anabelle is Year 4 practising her times tables.



Francesca in Year 4 practising her times tables with her dog, Blossom.



Harriet in Year 4 seeing how many she will have left over after making different shapes.



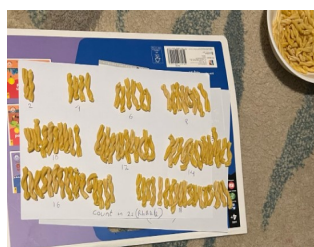
Aidan in Year 1 counting the bowls and plates and then adding them in piles.



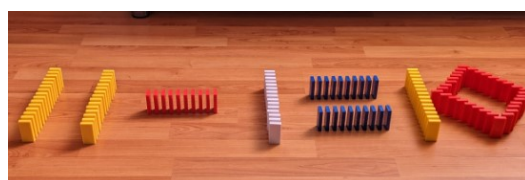
Anais and Hallie in Year 4 are both unimpressed after being beaten by Liam in Year 2 in the 'How Much Pasta?' game.



Well done to Benjamin in Year 4 using counters to help him play Dreidel, a game that is played during the Jewish celebration of Hannukkah.



Rhale in Year 2 counting in 2s with pasta.



Harvey is Year 4 making different patterns and numbers sentences.

A huge well done to everyone who entered November's competition. It was great to see lots of different ways maths is being used at home.

Have a go at one of these Christmas colouring challenges to reveal the hidden picture!

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

red = 0 to 5

blue = 11 to 15

black = 6 to 10

yellow or gold = 16 to 20

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

Solve the calculations to reveal the hidden picture.
Each answer has a special colour.

Red

Black

Blue

Yellow/Gold

Purple

White

1 or 2

3 or 4

5 or 6

7 or 8

9 or 10

11 or 12

$3 + 3$	$4 + 2$	$5 + 5$	$15 + 3$	$6 + 1$	$10 + 2$	$66 + 11$	$55 + 11$	$12 + 2$
$10 + 5$	$8 + 8$	$6 + 3$	$24 + 4$	$5 + 1$	$35 + 7$	$60 + 12$	$30 + 5$	$20 + 4$
$9 + 9$	$12 + 6$	$11 + 11$	$25 + 5$	$40 + 8$	$7 + 1$	$54 + 9$	$24 + 3$	$45 + 9$
$2 + 1$	$7 + 7$	$8 + 4$	$60 + 6$	$32 + 4$	$36 + 6$	$48 + 6$	$72 + 12$	$28 + 4$
$14 + 7$	$12 + 12$	$18 + 9$	$30 + 6$	$50 + 10$	$35 + 5$	$16 + 2$	$84 + 12$	$42 + 7$
$77 + 7$	$60 + 5$	$22 + 2$	$18 + 3$	$18 + 2$	$100 + 10$	$64 + 8$	$45 + 5$	$10 + 1$
$12 + 4$	$24 + 6$	$18 + 6$	$35 + 7$	$56 + 8$	$56 + 7$	$14 + 2$	$80 + 10$	$77 + 11$
$40 + 10$	$30 + 10$	$32 + 8$	$48 + 8$	$36 + 4$	$30 + 3$	$8 + 1$	$70 + 7$	$63 + 7$
$4 + 1$	$48 + 12$	$12 + 3$	$16 + 4$	$50 + 5$	$108 + 12$	$49 + 7$	$27 + 3$	$20 + 2$
$20 + 5$	$15 + 5$	$8 + 2$	$44 + 11$	$54 + 6$	$120 + 12$	$40 + 5$	$60 + 6$	$81 + 9$