

## News

A big well done to Year 5 who won last term's competition and earned an extra Forest School session just after half-term. After being in fourth place for most of the term, it was a storming effort in the last week to take top spot! Well done! It is also time to welcome Year 2 to the competitions, as they begin their journey in learning their times tables!



The following children have won Rockstar of the Week since last month's newsletter: Amelia, Lochie, Rohan, Olivier, Cillian, Melwyn, Aariv, Swati, Pippa, Greta, Flynn, Reece, Hayden, Ariana, Amelia, Anna, Riti and Pietro.

This term we have a different competition, as all the children are in competition with each other! The children who earn the most points in Term 2 will be rewarded with a special Christmas film afternoon! Good luck to everyone who is taking part.

## Puzzle Time

### Card sharp

Take ten cards numbered 0 to 9.



Pick three cards with a total of 12.  
You can do it in 10 different ways.  
See if you can record them all.

Now pick four cards with a total of 12.  
How many different ways can you do it?

Can you pick five cards with a total of 12?

How can you record your answers?

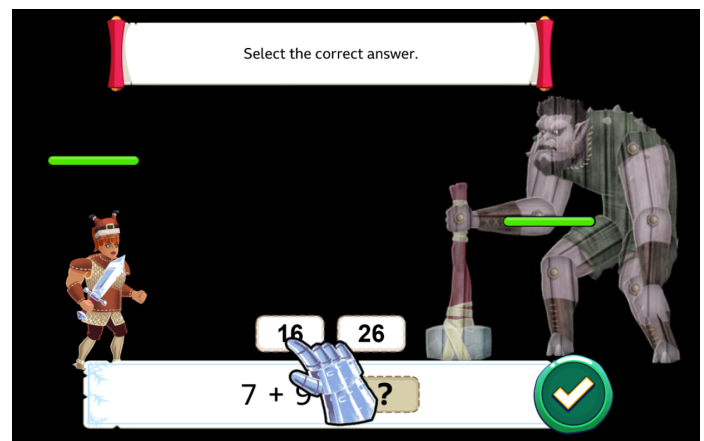
## Maths website of the month

A maths website for our KS2 children this week. It is BBC's Defenders of Mathematica!

There's lots of different topics and levels that you can work through. With the character you have created, can you win in the Battle of Mathematica?

<https://www.bbc.co.uk/bitesize/articles/zn2y7nb>

Which one is your favourite?



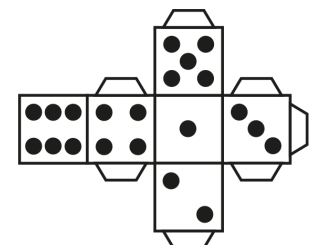
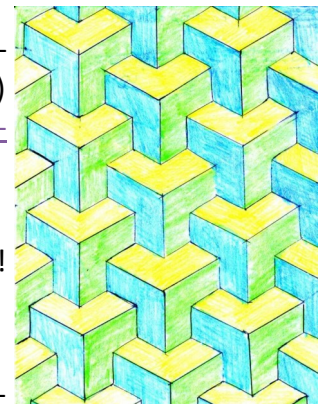
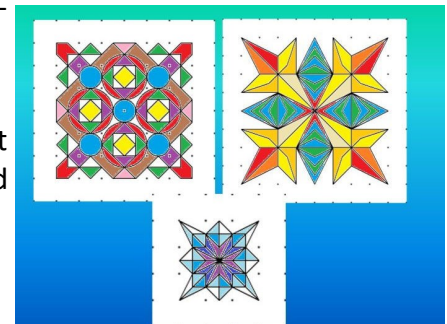
We want to see what maths you get up to at home! Send in pictures of yourself doing maths at home. It could be that you want to do some maths based on the monthly topic (see below), or you might want to come up with your own ideas. Some suggestions might include: making patterns, drawing pictures, using money, cooking and so on. The world is your oyster! Send your photos into [maths@slade.kent.sch.uk](mailto:maths@slade.kent.sch.uk) by Monday 16th December..



**This month's topic is...art!**

### Arty Maths!















- ⇒ Can you make your own artwork using different cut out shapes? Can you name them all?
- ⇒ Can you draw a piece of art using only different shapes?
- ⇒ Can you use the coordinate grid on the next page to plot the secret picture? Can you write the coordinates for someone else to create your picture?
- ⇒ Can you create your own mandala pattern? This website is a great tool: <https://www.mandalagaba.com/#sm0HPe> How complicated can you make your pattern?
- ⇒ Can you create a tessellating piece of art? (Hint: A tessellation is when we cover a surface with a pattern of flat shapes so that there are no overlaps or gaps.) This website is great fun: <https://www.mathsisfun.com/geometry/tessellation-artist.html>
- ⇒ Can you complete a dot-to-dot? It's a great way to practise your counting! What image will you create? How high can you count?
- ⇒ Can you create your own 'colour by numbers'? You could use addition or subtraction facts, your times tables, or something trickier like fractions!
- ⇒ Can you make a net for 3D shape? Is there more than one way to make some of them? Do some ways work better than others?





# River Riding

NOTE: In each section, do NOT connect the last point back to first point.

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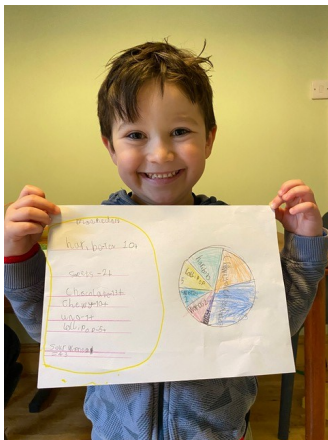
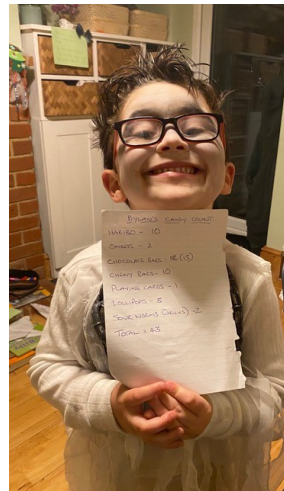
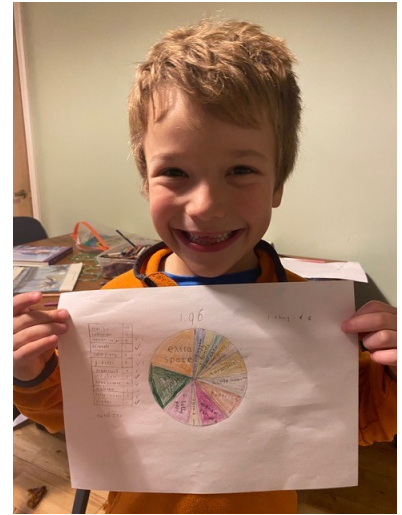
Now color your picture

## Maths at Home

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



Lily (Y3) was busy making a bar chart to keep track of the sweets she got from trick or treating. Which one was the most common, Lily?



Lucas (Y3) and Dylan (Y1) did lots of fantastic counting and organising. We were so impressed with their pie charts—what great maths! What would your top tips be for someone trying to make their own pie chart?



Arjun (Y4) did lots of maths around Halloween! He used lots of different maths skills when doing some Halloween baking, and even topped them off with a symmetrical pattern! He also organised his sweets in lots of different ways, too. Well done, Arjun!

