

Maths
****Please also encourage your child to access Mathletics daily on top of or to help the work set****

Monday

This week we have maths investigations based on our previous arithmetic and measures learning:

Four Go for Two

Here's a game to play with an adult!



How do you play?

You'll need an adult to play with.

You'll also need a number line from 1-20, like the one above. You can print some off [here](#).

The adult chooses two numbers in this grid and either multiplies or divides them.

| | | |
|-----|----|----|
| 100 | 25 | 5 |
| 10 | 2 | 36 |
| 12 | 4 | 3 |

\div

\times

They then mark the answer to the calculation on the number line. You then choose two numbers and either \times or \div , and mark that number in a different colour on the number line.

If the answer is too big or too small to be marked on the number line, the player misses a go. The winner is the person to get four marks in a row with none of their opponent's marks in between.

What good ways do you have of winning the game?
Does it matter if you go first or second?
How are you deciding which number to aim for next?
Can you find a winning strategy?

Notes for adults

This game gives children the opportunity to estimate answers to calculations in a motivating context and gives plenty of practice in multiplication and division. Playing strategically involves higher-order thinking and the need to think ahead.

Easier version: you could use a calculator, and/or adapt the grid and numberline.

Harder version: children can be encouraged to tweak the game and to try out their new version. For example, they might change the number line, the grid of numbers, the operations, the number of numbers needed to win...

There is a classroom version of this game [here](#).

Tuesday

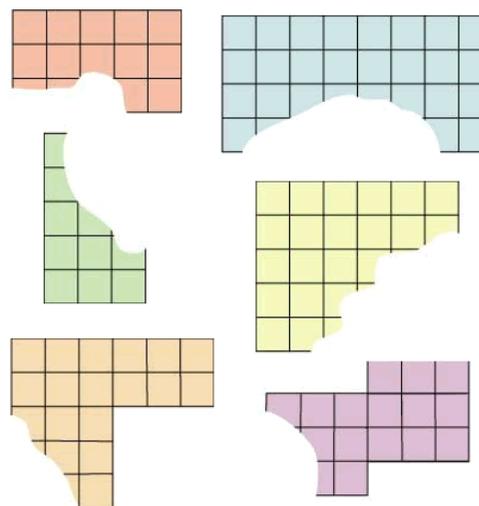
Torn Shape

Jason's class cut out rectangles and some shapes which were two rectangles joined together from one centimetre squared paper.

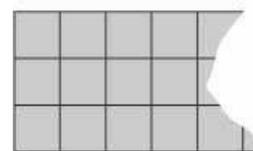
They then counted how many squares the shapes took up.

After this they tore a piece out of some of their shapes to make a puzzle for the other groups to do.

Can you work out how many squares there were in these shapes before the bit was torn out? The orange, blue, green and yellow shapes were rectangles. The bottom two shapes, which are pale orange and purple, were each two rectangles joined together.



Courtney's group tore too much off their grey rectangle!



What is the smallest number of squares it could have had?
What is the largest number of squares it could have had if it was not longer than the longest of the other shapes?

Wednesday

This activity challenges you to decide on the 'best' number to use in each of the following statements.

You may like to talk to someone else about what you're thinking. You may need to do some estimating, some calculating and some research.

Please send us your solutions and don't forget to explain how you arrived at your conclusions.



- 1) There are roughly 10/500/1000 million domestic cats in the world.
- 2) On average, cats weigh 1.5/4.5/8 kg.
- 3) Domestic cats sleep on average 8–9/13–14/18–19 hours a day.



- 4) There are roughly 400/600/800 million domestic dogs in the world.
- 5) The average life of a dog is 10–14/14–18/18–20 years.



- 6) Dolphins live in groups called pods or schools of up to 12/20/30 individuals.



- 7) Adult elephants need to drink about 100/200/400 litres of water a day.



8) A giraffe's neck is about 120/170/220 cm long.

9) A giraffe's tail hair is 2/5/10 times as thick as the average human hair.



10) On average, male lions weigh 180/250/330 kg.

11) A lion's roar can be heard 8/12/16 kms away.

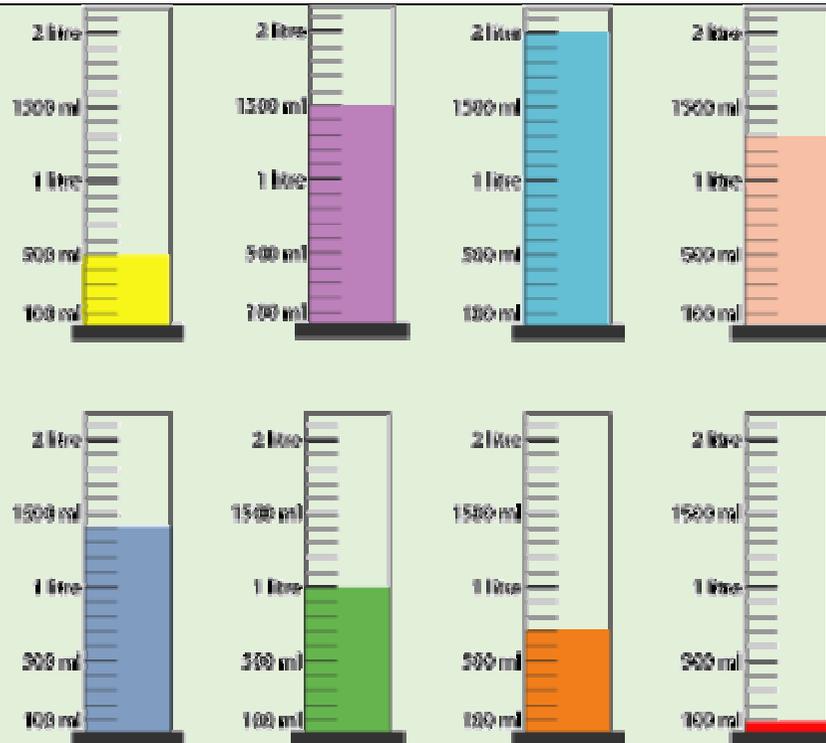
12) On average, lions rest for 10/15/20 hours a day.

Thursday

A group of eight children in Class 6 were measuring water using measuring cylinders. They coloured the water to make reading the scales easier.

They lined up the cylinders in two neat rows, each labelled with a child's name and the amount they had measured out.

Then Harry opened the window and the wind blew most of the labels onto the floor! "Oh! Harry!" they all wailed. Can you relabel the cylinders for them?



Ahmed had measured out just a thousand millilitres and Belinda twice as much as Ahmed.

Grace had measured out three-quarters of the amount that Belinda had done and Freddie had half the amount that Ahmed had measured out.

Which were their cylinders?

Callum had coloured his water blue. How much did he measure out?

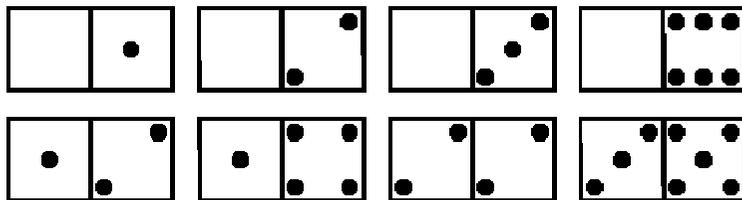
Ellie had coloured her water pink and Dan coloured his orange. How much did they measure out?

"Don't drink that!" Harry had laughed, pointing at Dan's cylinder, "It's not orange juice!" As his hand stretched out he knocked over his red liquid. "Oh! Harry!" they all wailed again.

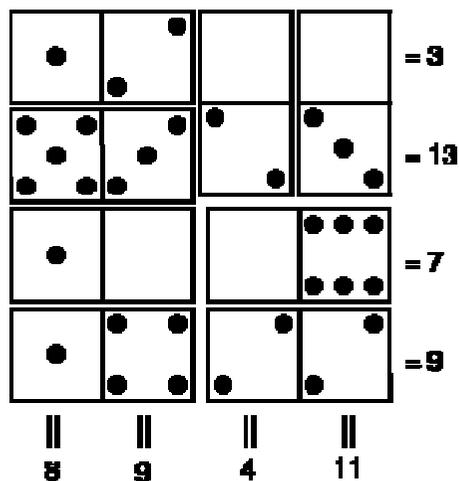
How much was left in Harry's cylinder after the accident?

Friday

Using the 8 dominoes:



make a square where each of the columns and rows adds up to 8.



How many possible solutions are there?

You may find our [Dominoes Environment](#) useful for working on this problem.

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| <p>English</p> <p>**Please also encourage your child to read daily either independently or to an adult.</p> | <p>Monday</p> | <p>https://www.talk4writing.co.uk/wp-content/uploads/2020/04/Y5-Unit.pdf</p> <p>Is a unit of English work to last three weeks, each day I have selected the pages to complete so that you can work through the booklet. It will be similar to our English lessons, in that we used an author’s work to base our learning around.</p> <p>Today- Pages 1-5</p> |
| | <p>Tuesday</p> | <p>Pages 5-7</p> |
| | <p>Wednesday</p> | <p>Pages 7-9</p> |
| | <p>Thursday</p> | <p>Pages 9-10</p> |
| | <p>Friday</p> | <p>Pages 11-12</p> |
| <p>Topic/Science</p> | <p>Topic</p> | <p>We are starting our Americas topic with looking at the United States of America (THE USA)</p> |



Google the United states of America on a map and have a look at the states and their names.
Think about:
How many states are there?
Which is the largest state (area)?
Which is the smallest state (area)?
Could you make a list of facts that you notice about the states ready for more in-depth research next week.

Science

<https://www.bbc.co.uk/bitesize/topics/zbssgk7>

What is reflection?
Make a poster based on this short clip. You could research it further, if you wish.

PE

Activity 1

Joe Wicks workout

Activity 2

Cosmic Kids Yoga

Activity 3

Real PE at home – online learning resources

Real PE at home includes an online programme which supports families to be active, play and learn together. It includes a programme specifically for children in Early Years and Key Stage 1 with 12 themes, 6 areas, over 250 activities and challenges and 1000s of hours of fun and activity. This programme is also great for family play and fun.

It also includes a programme for children in Key Stage 2, with daily and weekly guidance provided for both programmes (starting from this week) in addition to an option to choose your own themes and activities.

Oak Class – Week beginning May 4th 2020
Year 5

| | | |
|------------|------------|--|
| | | <p>There are so many benefits to being active, not only to our physical wellbeing but also to our emotional and mental health, especially in such testing times for all of us. We hope that the ideas help support you and your family to stay fit and healthy in the coming months.</p> <p>Here are the details to access real PE at home:</p> <p>The website address is: home.jasmineactive.com</p> <p>Parent email: parent@lyngcofepr-1.com</p> <p>Password: lyngcofepr</p> |
| Art/Crafts | Activity 1 | <p>As spring is here, have a look in your garden or on a walk to find something interesting to draw, it may be a flower, leaf or stone. Look carefully at the detail as you draw it.</p> |
| | Activity 2 |  <p>Whatever you chose to draw for activity 1, create an abstract picture of that object. Here is an example of an abstract flower picture. If you have chosen to draw a leaf, create an abstract leaf picture.</p> |