Covid-19 Update 23rd April 2020

Last weeks content has been moved to the home learning page in the form of a pdf download with weblinks. Check out all the previous content.

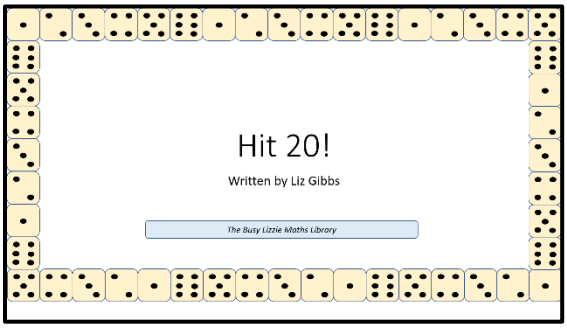
While you are on this site, check out the problem solving and reasoning page by clicking here. There are lots of problems and puzzles to solve.

I've recently added a new page called Dice, dominoes and digit cards, with loads of hands on maths ideas. Click here to visit the page.

Here are some more games, activities and problem solving to keep your 5 – 11 year olds busy as we make a start to the summer term. The next update will be on or after April 30th 2020.

Click on the activity or game images to take you to the file online.

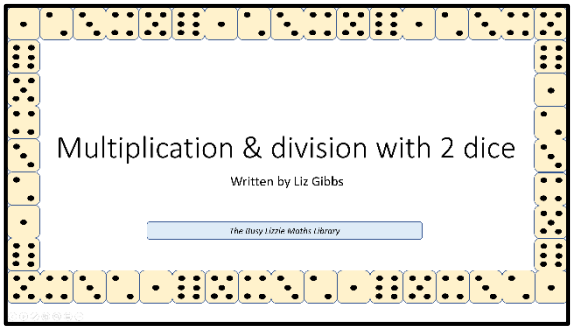
Hit 20



This is a simple dice game which can be adapted for most children in the primary phase.

Roll the dice and by using a combination of addition and subtraction, who can hit 20 or get the nearest total to it?

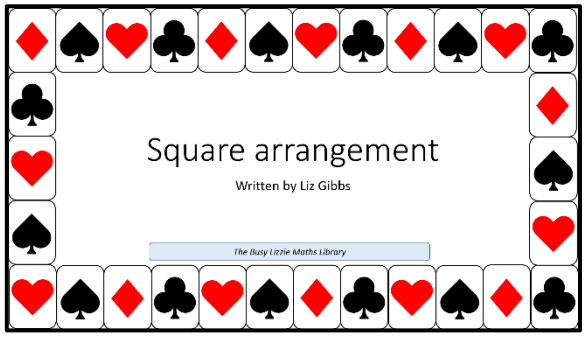
Multiplication and division with two dice



Using two 1 – 12 sided dice, roll both and use the numbers to make two multiplication number sentences (equations) and two division number sentences. If you don't have 12 sided dice, use four 1 – 6 sided dice. Roll two dice and add the scores together, e.g. 3 + 4 = 7, repeat with the remaining two dice, e.g. 6 + 2 = 8. The scores become the numbers you are going to work with 7 and 8.

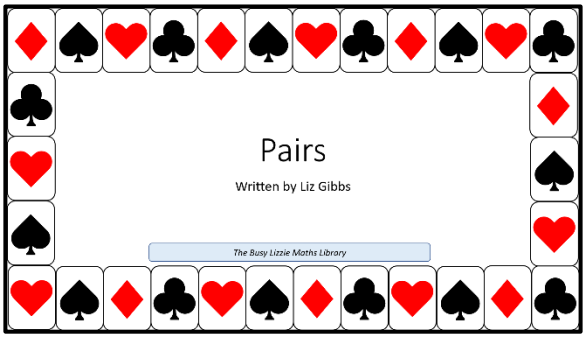
Square arrangement

Using certain cards, can you put the 16 cards into a square arrangement where there is only one of each card in the rows, columns and diagonals?



Pairs

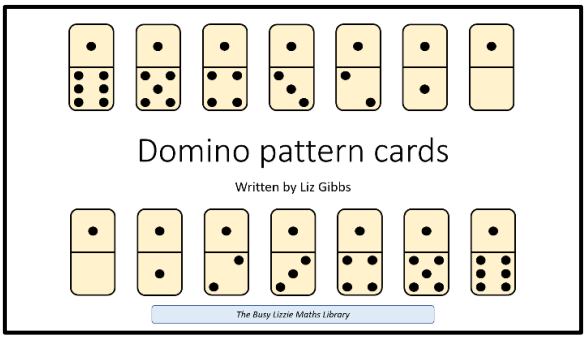
This is an old favourite of mine. Best played with 2 or more players. If you are playing on your own, try to beat the time it took to complete the task the first time. Change the pairs to pairs that make 9, 8 or 7, which most children find harder than pairs to 10.



Domino pattern cards

Here is a set of 6 pattern cards using a standard set of dominoes.

Once you've completed these, try to make up some repeating patterns of your own.

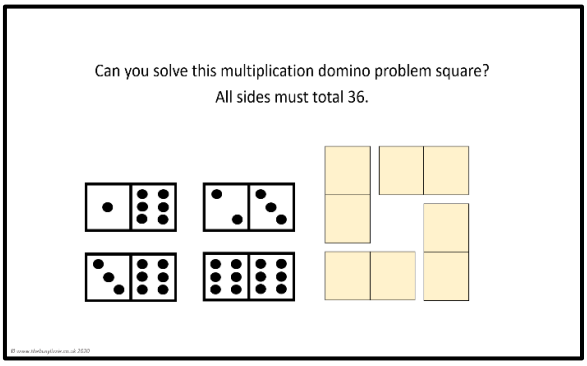


Multiplication domino square

This is a square arrangement of four dominoes.

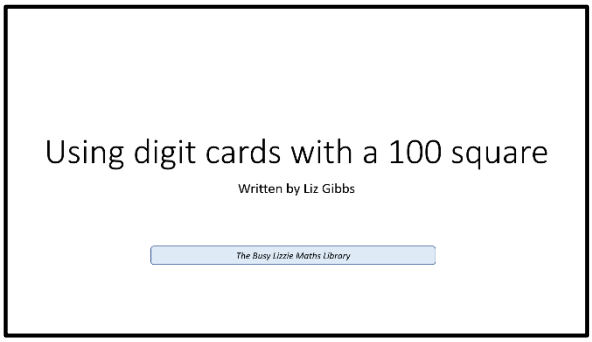
Can you arrange them so that each side of the square has a product of 36?

__ x __ x __ = 36



Using digit cards with a hundred square

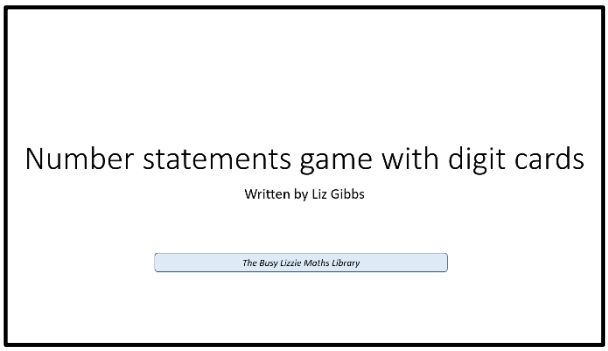
Generate two-digit numbers using the digit cards. Find the number on the 100 square and cover it up with your coloured counter. The first to get four counters in a row wins the game.



Number statements game with digit cards

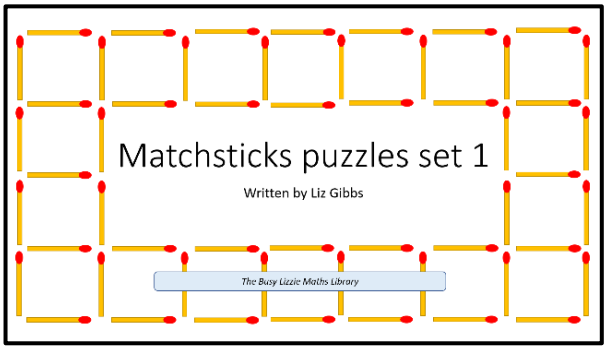
This is a simple activity for two players.

Use two sets of digit cards and take turns to turn over two cards. If the number you have made can satistfy a statement on the board, you can claim it with your counter. The player who colvers the most squares, wins the game.



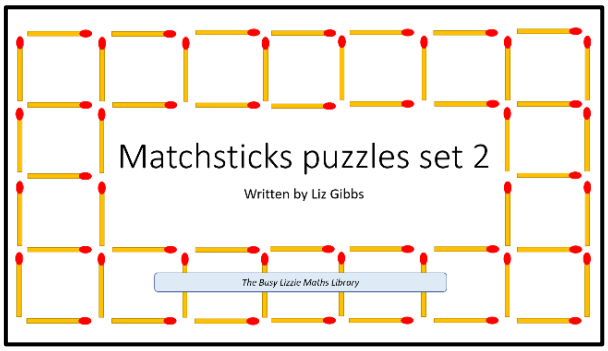
Matchstick puzzles set 1

A set of 6 simple squares based puzzles to share with children. In the interests of safety, use spent matches at home or find an alternative, such as dried pasta tubes, dried spaghetti or pencils of a similar length.



Matchstick puzzles set 2

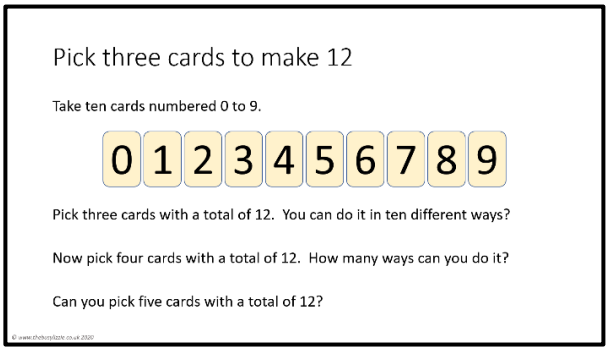
A set of 6 simple traingle baseed puzzles to share with children. In the interests of safety, use spent matches at home or find an alternative, such as dried pasta tubes, dried spaghetti or pencils of a similar length.



Pick three cards to make 12

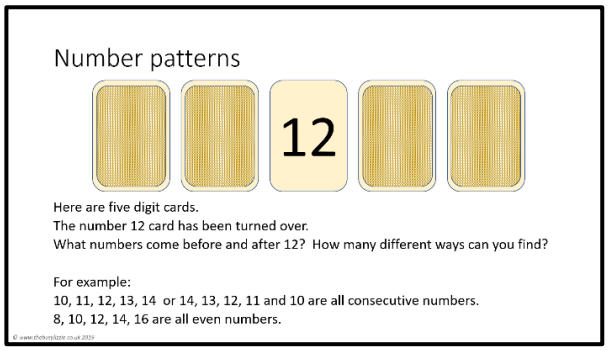
You will need some digit cards from 0 to 9.

How many ways can you find to make a total of 12 using 3 cards?



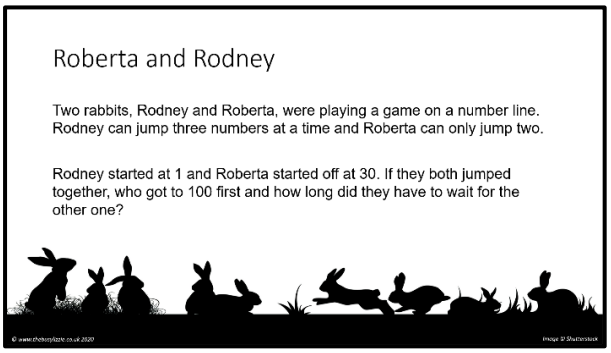
Number patterns

Here are five digit cards. Only one has been turned over. What numbers do you think at to the left or to the right of the card? How many different combinations can you find?



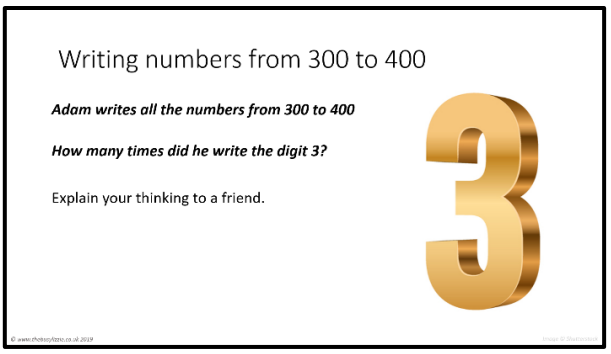
Rodney and Roberta

Number based problem solving which can be solved in several ways. Encourage your child to explain their thinking. Suitable for KS 2 children.



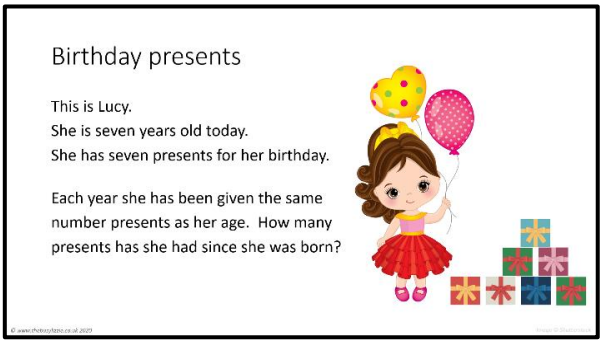
How many times did Adam write the digit 3?

Adam is writing all the numbers from 300 to 400. Can you find a way to work out how many times he writes the digit 3?



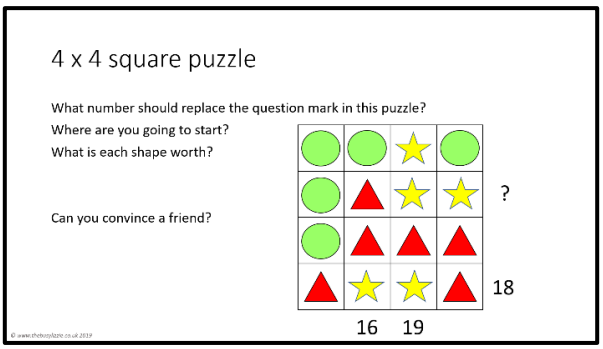
Birthday presents

Lucy is having her 7th birthday. Can you find out from the problem card how many presents she has been given over her lifetime?



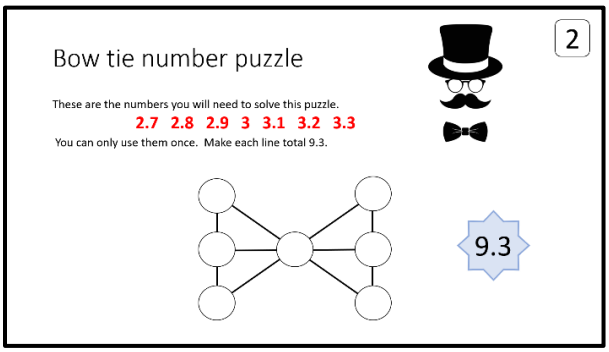
4 x 4 square puzzle

Using the shapes and values, can you work out what each shape is worth. This problem is suitable for upper KS 2.



Bow tie number puzzles.

I've called these bow tie number puzzles because the shape of them reminds me of a bow or a bow tie. There are two puzzles in this set. The one shown is the hardest. Both are aimed at upper KS 2.



Websites & publications (updated 23rd April 2020)

Websites

Government page Covid-19 web page containing weblinks to primary and secondary educational websites.
BBC bitesize complete BBC maths listing
STEM resource packages for teachers
Maths Association Primary maths challenge. Download past challenges from here
National Numeracy Pdf sheets of mathematical activities for children aged 5 – 11
ATM (Association of Teachers of Mathematics) There are some activities and publications free to download, a majority of this is for older children upper KS 2, KS 3 and GCSE.
NRICH A problem solving website for all ages
NRICH specifically for EYFS
Maths on Toast Teachers page
Maths on Toast Parents page
Numicon A New Zealand site with resources and downloads
Cool Math online maths dictionary
Maths is Fun online maths dictionary
A Maths Dictionary for Kids online maths dictionary
Maths Mastery Primary maths and English resources
White Rose (Mastery) Year group specific free resources.
Maths with parents
Maths Life Maths without a worksheet ideas
Sumdog Free access to maths, spelling and grammar
No pressure maths Downloads available

7 Puzzle blog the website linked to the above Twitter account
Rising Stars book company. Some free activities online
Primary Games Arena Online maths games
Parallel A site for 10 to 15 year olds
Yohaku Yohaku puzzles are short number puzzles available via Twitter @yohakupuzzle
Oxford Owl at home Publishers of reading and maths schemes
Pearson Publishing house of educational materials
First for maths
Collins Collins have opened a webpage of ideas from their old Belair publications.
Propeller A (Suffolk) local publishers, who publish fantastic resources.
Zeno maths An American home schooling website with some useful downloads and ideas.
Messy maths Lots of ideas and inspiration for teaching young children.
10 Family Card Games That Support Early Math Skills Card games are an inexpensive way to enjoy family fun while also building math skills—all you need is a deck of playing cards!
Math at Your Fingertips! Easy Counting Activities Using Number Gestures
Origami and Paper Wizards: Fold Some Math into Your Day! These activities can be done with whatever paper is available—scrap paper, newspapers, or magazine pages would work.
Easy Recipes That Will Get Your Family Talking About Math Four recipes that children can help make along with tips for talking about math while cooking together.
Math Talk: Measurement at Home Everyday ways to talk about units and measurement, you can help support children's developing mathematical understanding.

Twitter
Anna Williams **@AWillia49259812** Mini Maths ideas and video.