

Covid-19 Update 21st May 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.

The Dice, dominoes and digit cards page has lots 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. The final weekly update will be on or after May 28th 2020. Updates will continue but will not be weekly. I will post update alerts on my twitter page. Follow me @liz__gibbs

In January 2021 the content will be moved and reorganised on this website.

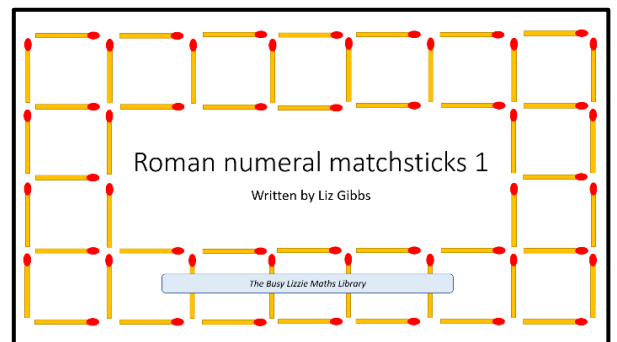
Click on the activity or game images to take you to the file online.

Roman numeral matchsticks 1

Ideal for Year 3 (7 to 8 year olds).

Roman numeral calculations which need correcting by either moving, adding or taking away matchsticks.

Set of 6.

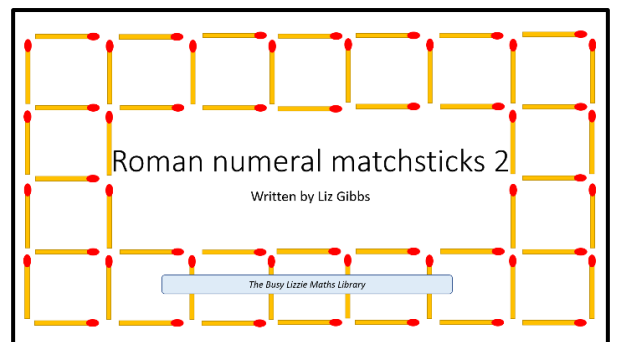


Roman numeral matchsticks 2

Ideal for Year 3 (7 to 8 year olds).

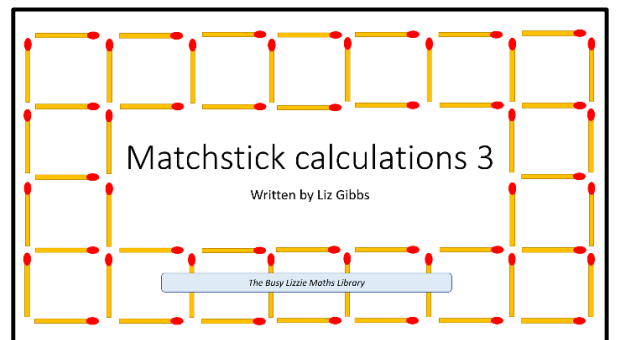
Roman numeral calculations which need correcting by either moving, adding or taking away matchsticks.

Set of 6.



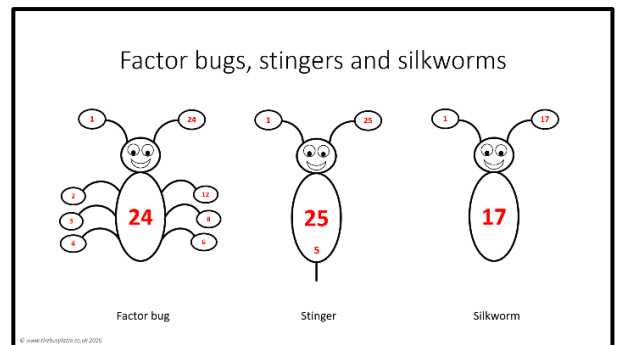
Matchstick calculations 3

Another set of 6 calculations which need correcting by either moving, adding or taking away matchsticks.



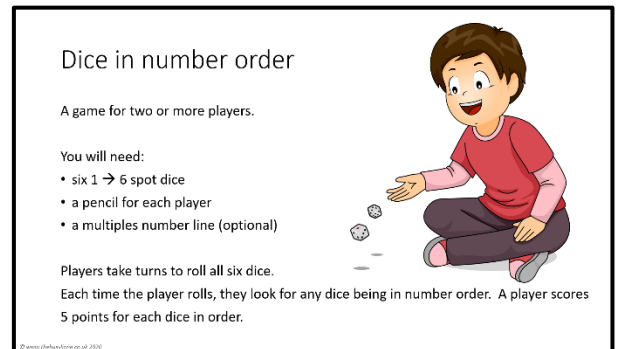
Factor bugs, stingers and silkworms

An investigation for Years 5 and 6 (10 and 11 year olds). A great way to remember and record factors.



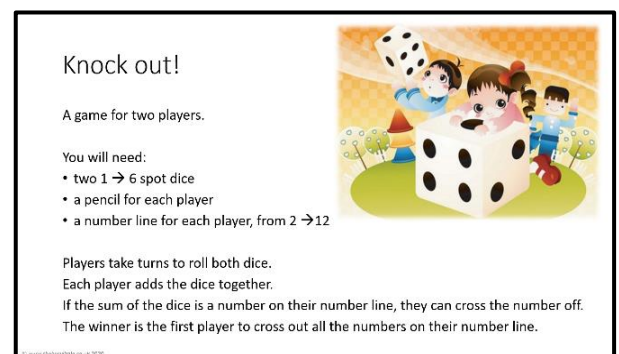
Dice in number order

A game for two or more players. You'll need six dice.
Roll the dice and score points for dice in order.



Knock out

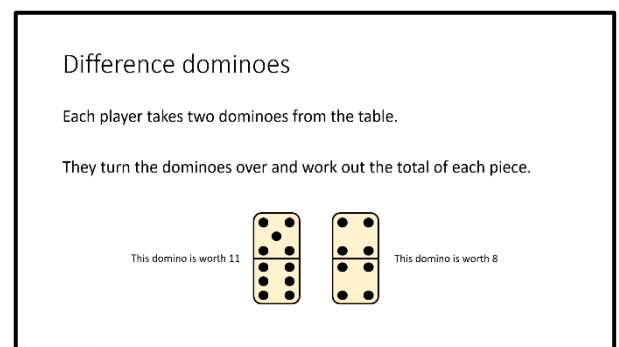
A game for two or more players. Each has two dice and a number line. If their dice score is a number on their number line, they can cross it out. First to cross out the whole number line is the winner.



Difference dominoes

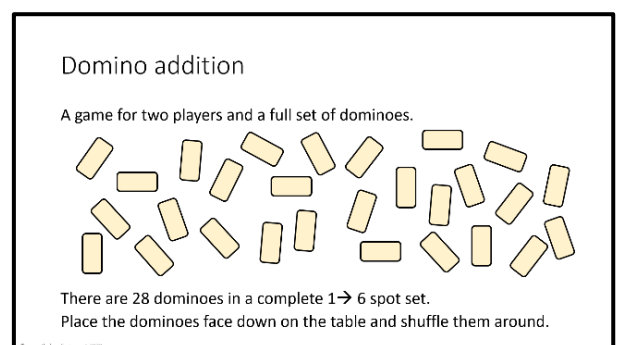
A game for two or more players.

Add up the spots on each domino, then find the difference between the two.



Domino addition

A game for two or more players and a full set of dominoes. Add up the spots on each domino. This becomes your score. The person with the highest score wins the game.



Multiples of 6

A digit card problem. Can you make five two-digit multiples of 6 using 0 → 9 digit cards only once?

Multiples of 6

Here are ten digit cards showing the numerals 0 → 9



You can use the cards only once.

Can you make the five two-digit numbers that are multiples of 6?

Thirteen digit cards

Using this (and one other arrangement), can you arrange the digit cards so that there are no consecutive numbers on a line? Find more than one way to solve this.

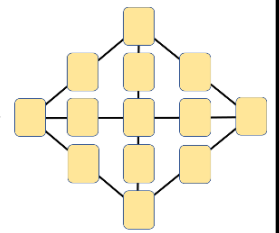
Thirteen digit cards

You will need...

- a set of 0 → 12 digit cards
- a copy of this arrangement

Can you arrange the numbers from 0 → 12, so that no consecutive numbers are on the same line?

Consecutive numbers are numbers that follow each other, e.g. 1, 2, 3, 4 and 9, 10, 11, 12.



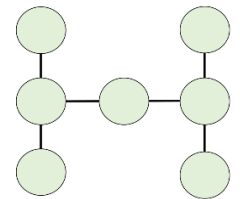
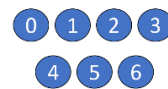
H shaped puzzle

A number based puzzle using this arrangement.

H shaped puzzle

You will need...

- this H arrangement of circles
- counters with numbers 0 → 6 written on them



Can you arrange the counters so that each line totals 10?

Half a shape

Can you make the whole shape before it was cut in half? Record your work and show the vertical, horizontal and diagonal lines of symmetry.

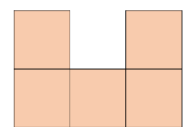
Half a shape

This is half a shape.

It is made up of 5 small squares.

Can you build or draw as many different whole shapes the original could have been.

Mark any lines of symmetry of these shapes.



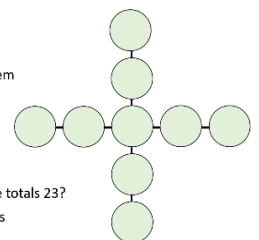
Cross arrangement

A number based puzzle using this arrangement.

Cross arrangement

You will need the...

- this cross arrangement
- counters with numbers 1 → 9 written on them



Can you arrange the counters so that each line totals 23?

There are 3 more totals you can make with this arrangement. Line totals: 24, 25 & 26.

Four cubes

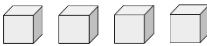
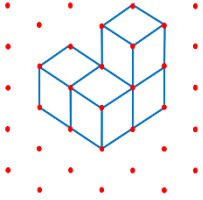
How many different shapes can you build using just four cubes? Can you record them on isometric paper? Watch out for repeats!

Four cubes

Find all possible solids that can be made from four cubes. Can you build the different shapes using linking cubes? Record the solids using isometric paper.

How many can you find?

Extend this activity by using 5 or even 6 cubes.



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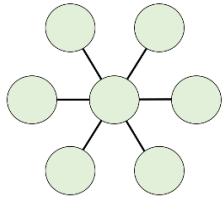
Snowflake puzzle

A number based puzzle using this arrangement.

Snowflake shaped puzzle

You will need...

- this arrangement of circles
- counters with numbers 1 → 7 written on them



Can you arrange the counters so that each line totals 11?


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Birthday cake

A tricky problem. Cut this cake into eight equal pieces using only 3 straight cuts. Solution included.

Birthday cake

You have been given a circular cake. Can you cut it into 8 equal pieces using only 3 straight cuts?



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Websites & publications (updated 14th May 2020)

Websites

[Classroom secrets](#) Online teaching and learning resource with free home learning packs.

[TTS](#) Free home learning packs

[IXL](#) Home learning with IXL

[TES](#) Home learning essentials

[Yorkshire Water](#) Home learning ideas

[Cambridge learn together](#) Home learning resources

[Mathematics Centre](#) A wealth of mathematics here for teachers and parents.

[Maths Frame](#) The old NNS ITPs plus some new ones free to use.

[Thinking mathematically](#) A blog of mathematical ideas and activities

[Play with your math](#) A lovely page of maths puzzles

[Magic Message](#) Andrew Jeffrey's website

[Illustrative mathematics](#) Non UK site. Has some activities & games via the standards button.

[Study Smart](#) Free online times tables

[We are teachers](#) Ideas for using manipulatives in the classroom

[The Oak National Academy](#) The new government-backed home learning tool

[Spot on with Number](#) Hungarian 10 blocks and ideas

[Maths bot](#) An online tool for teachers and parents. Scroll down for primary manipulatives

[22 fun ways to teach multiplication](#) Online page of ideas for teachers and parents.

[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.

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