

Covid-19 Update 7th 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.

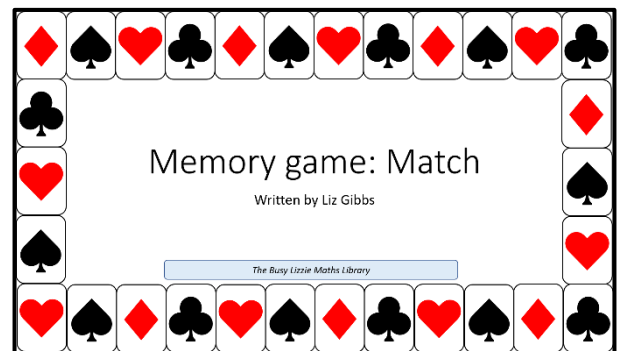
Here are some more games, activities and problem solving to keep your 5 – 11 year olds busy. The next update will be on or after May 14th 2020. There will another update on the 21st May and a final update on the 28th May. In January 2021 the content will be moved and reorganised on this website.

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

Memory Game: Match

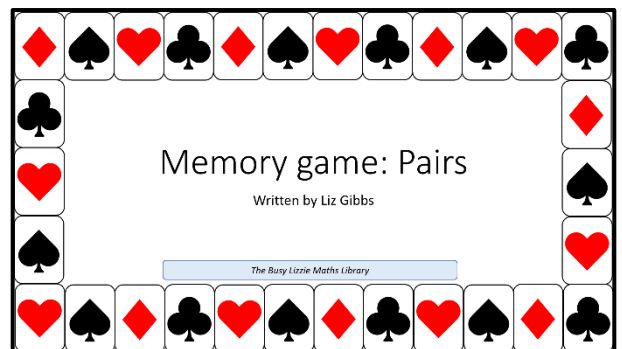
A very simple activity for young children.

Working with a small number of cards, can the children match the numbers on the cards?



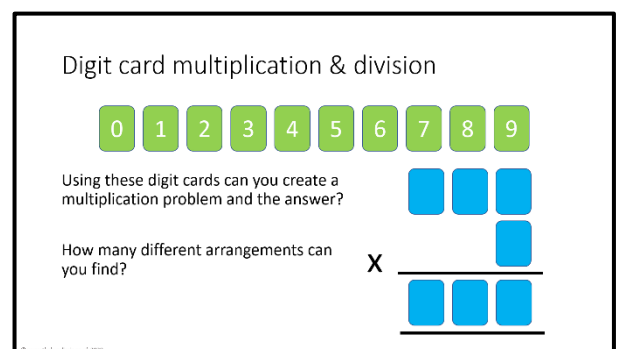
Memory Game: Pairs

Another simple memory game based around finding pairs that make 10.



Multiplication Practice

Use digit cards to make multiplication and division problems. This is challenging, as you can use the cards only once for each calculation.



Digit card clues

Using 0 → 9 digit cards, can you read the statements and put the cards into pairs?

Can you make your own statements that use every card once?

Digit card clues

What cards are the statements describing?

If I add the cards together, I'll get 16. Both cards are multiples of 2.

If I multiply the cards together, I'll get 12. If I add the cards together, I'll get 7.

If I multiply the cards together, I'll get 0 as my answer. One of my cards is multiple of 3.

If I add the cards together, I'll get an odd number. If I multiply the cards together, I'll get an even number.

If I add the cards together, I will get 12. The difference between the cards is 2.

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Domino multiplication squares

Suitable for KS 2. Can you put the dominoes in a square arrangement, so that the sides total 20?

There are two puzzles in this file.

Can you solve this multiplication domino problem square?

All sides must total 20.

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Column addition dominoes

Using the dominoes shown, can you arrange them so that they make a column addition question and answer?

Column addition dominoes (2)

Use the dominoes to make the column addition problems correct.

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Multiplication square

A lovely activity for children to appreciate and see the links between different areas of mathematics.

Suitable for upper KS 2.

Multiplication square

x	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

Write out or print out a multiplication square like this one.

If you are writing one onto a piece of paper, try to make sure your columns and rows in line.

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Maths in the environment

Mathematics is everywhere!

Here is an idea using road signs. Find one near you.

What questions could you ask?

Maths in the environment

Mathematics is everywhere!

Here is some mathematics using a road sign.

If I'm in Bradfield St. Clare, how far am I from Lt. Welnetham?

If I get to Bradfield St. Clare, how much further is Cockfield Green?

If I'm setting off from Lt. Welnetham, how far will I be from Cockfield Green?

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Find some local road signs. What questions can you ask?

Odd and even

A simple activity for 2 players.


Children get chance to practice identifying odd and even numbers.

Odd and even

This is a game for two players and two dice.

Player 1 looks out for odd totals and Player 2 looks out for even totals.

- Each player rolls a dice.
- The two dice are added together.
- If the total of both dice is odd, then player 1 wins a point.
- If the total of both dice is even, then player 2 wins a point.
- The dice are rolled again.
- The first player to reach 10 points is the winner.



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Odd and even


A game for two players.

Players identify odd and even numbers. To score, they have to double or halve the number on the dice.

Odd and even (3)

Written by Liz Gibbs

The Busy Lizzie Maths Library



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Rockets

Another favourite. This question has two or more answers. Can you find them?

Rockets

Kate had some rocket fireworks.
Some made 4 stars.
Some made 5 stars.

Altogether Kate's fireworks made 39 stars.
How many of them made 5 stars?
Find two different answers.

What if Kate's fireworks made 61 stars? Find two different answers.



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Between 30 and 40

A simple place value problem.

This is a perfect activity for KS 1 children.

Between 30 and 40

You will need these digit cards.

2 3 4 5 6

Use two cards to make two digit numbers between 30 and 40.

How many different numbers can you make?

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Eight triangles

You will need some dotty paper for this problem.

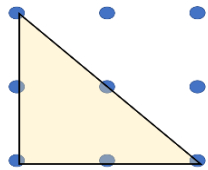
How many different triangles can you find?

Eight triangles

Using a 3 by 3 array on a pinboard or some dotty paper. Find and identify eight distinct triangles.

The first one has been done for you.

Classify the triangles according to their side, angle and symmetry properties.



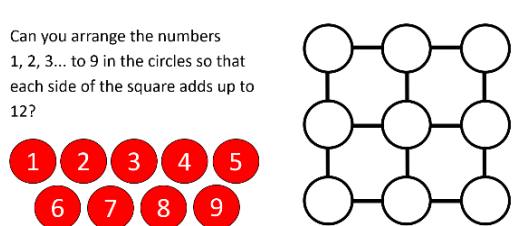
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Sides total 12

Using the numbers only once, can you make the sides of this square total 12?

Sides total 12

Can you arrange the numbers 1, 2, 3... to 9 in the circles so that each side of the square adds up to 12?



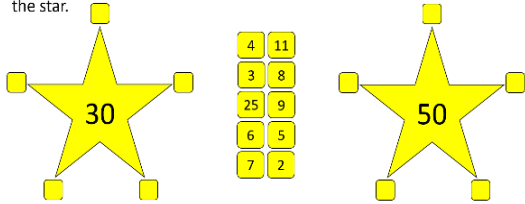
The diagram shows a 3x3 grid of circles. To the left, the numbers 1 through 9 are arranged in two rows of five circles each, with the last circle in the second row missing. The numbers are: Row 1: 1, 2, 3, 4, 5; Row 2: 6, 7, 8, 9.

Number stars

Here are two stars. One star is worth 30 and the other is worth 50. Using the numbers on the page, can you place them round the stars, so that when added together they make the number on the star?

Number stars

Here are some numbers and two stars. Place the numbers around the star, so that when added together they make the number written on the star.



The diagram shows two yellow stars. The first star has the number 30 in the center and five small yellow squares at its points. The second star has the number 50 in the center and five small yellow squares at its points. Between the stars is a list of numbers in yellow boxes: 4, 11, 3, 8, 25, 9, 6, 5, 7, 2.

Sum and product

Aimed at upper KS 2 here are problems involving sum and product.

Sum and product

Can you find a pair of numbers with...

- a sum of 11 and a product of 24
- a sum of 17 and a product of 52
- a sum of 40 and a product of 400
- a sum of 15 and a product of 54
- a sum of 25 and a product of 144

Websites & publications (updated 7th May 2020)

New this week

[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.

Websites

[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.