



MATHS



Maths in everyday life at home

Outside

- Recognising bus numbers
- Number plate hunt. Who can find a 7? Add the numbers up, multiply them
- Comparing door numbers
- Counting – how many lampposts on the way to school? How many paving slabs?
- Ratios of colours of flowers in the garden
- Distance between seeds when planting
- Hours of daylight
- Rainfall
- Temperature
- Data e.g. traffic counts, birds counts etc.

Doing the washing

- Counting in 2s – matching shoes
- Sorting by colour and size.
- Matching/pairing up socks.
- Find four shoes that are different sizes. Can you put them in order.

Time

- What day is it yesterday, today, tomorrow?
- Use timers, phones and clocks to measure short periods of time.
- Count down 10/ 20 seconds to get to the table/ into bed etc.
- Recognising numbers on the clock. If you cover a number, what number was missing?
- How many minutes/seconds until...?
- Noticing Roman Numerals.
- Looking at timetables, TV guides – working out how long a programme is or what time it finishes, comparing the duration of different programmes.

Food

- Can you cut your toast into 4 pieces? Can you cut it into triangles?
- Fractions – can you give half/ quarter/ one eighth of your sweets to your sister? How many will she get?
- Setting the table. Counting the right number of plates etc. How many more do we need?



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- Can you make shapes/ patterns out of the knives and forks. Can you put them in the right place in the drawers?
- Helping with the cooking by measuring and counting ingredients.
- Setting the timer - what time will it finish?
- Positional language at dinner time: what is on the rice, where are the carrots etc?
- Ratios – If the recipe is for 4 people but we need to feed 6, how will the quantity of ingredients change?
- Looking at labels e.g. how much water to squash? Percentages e.g. What percentage of the daily allowance of sugar is contained?

Going shopping

- Reading price tags
- Counting items into the basket
- Finding and counting coins
- Comparing weights – which is heavier
- Adding up the receipt
- Working out change
- Estimating
- Sales – e.g. 50% off – What is the new price? How much is saved?
- Comparing prices e.g. What is the difference in price? Is it cheaper to buy a bigger quantity?

Measuring

- Are you taller than a ...?
- Marking height on the wall.
- Cut hand shapes out of paper. How many hands long is the couch? How long is the table? Which is longer?
- Who has the biggest hands in our family?
- Estimating measurements
- How many steps from the gate to the front door?
- Volume and capacity – Which water-bottle will hold the most water? How many bottles will you get out of a 2 litre bottle?

Shapes

- Cut a potato into shapes (circles, triangle etc). Use with paint to make pictures and patterns.
- Cut out shapes from coloured paper/ newspaper and arrange into pictures.
- Tessellation, symmetry
- Shape hunt: Can you find a square in your house (windows etc), a circle ...



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- Shapes within the environment – describe them e.g. angles, symmetry, 2D, 3D, parallel, perpendicular.
- Area and Perimeter e.g. What is the perimeter of the garden? How much carpet will you need for your bedroom?

Playdough

A simple recipe:

1 cup of plain flour

1 cup of water

1 tablespoon cooking oil

2 teaspoons cream of tartar

Half a cup of salt

Food colouring and essences (optional)

Put all ingredients in a large saucepan, and heat slowly, stirring all the time until it forms a ball.

Keep it wrapped in clingfilm or in a covered tub to stop it drying out.

Then

- Make numerals and shapes
- Sort shapes into groups, or order by size
- Make long and short wiggly snakes.
- Make bar models

Games

- Putting cards into piles
- Jigsaws (you can make your own by cutting up a magazine picture)
- Snap (matching pairs) or Happy Families (collect 4 of a kind)
- Snakes and ladders or other simple dice games.
- Adding, multiplying, dividing, numbers on dice.
- Bingo, with numbers or shapes
- Hopscotch
- Scrabble
- Snooker
- Darts
- Countdown
- Connect 4

Number rhymes and songs

Eg: 5 little monkeys jumping on the bed

One fell off and bumped his head

Mummy called the doctor and the doctor said

“No more monkeys jumping on the bed!”

4 little monkeys jumping on the bed ...



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Useful Websites for games, interactive activities and information

EYFS and Key Stage One

<http://www.bbc.co.uk/bitesize/ks1/maths/>
www.sesamestreet.org
www.nurseryrhymes4u.com/NURSERY_RHYMES/COUNTING.html

Key Stage Two

<http://www.bbc.co.uk/bitesize/ks2/maths/>
www.brainpop.com
<http://www.mathcats.com/explore/tessellationtown.html>
http://www.echalk.co.uk/Maths/PrimaryNationalStrategy_Yr6/DfES-MathsActivitiesforyear6/index.html
<http://www.subtangent.com/maths/broken-calc.php>
<http://www.mathcats.com/explore/tessellationtown.html>

All Year groups

www.mathszone.co.uk
<https://uk.ixl.com/>
www.kidsmathgamesonline.com
www.mathgametime.com/math-games
www.topmarks.co.uk (Hit the Button is popular and easy to navigate, great for times tables practise)
<http://www.crickweb.co.uk/>
<http://www.helpkidzlearn.com>
<https://primarygames.co.uk>
<http://www.teachingtables.co.uk>
<http://www.ictgames.com>
http://www.familylearning.org.uk/online_math_games.html