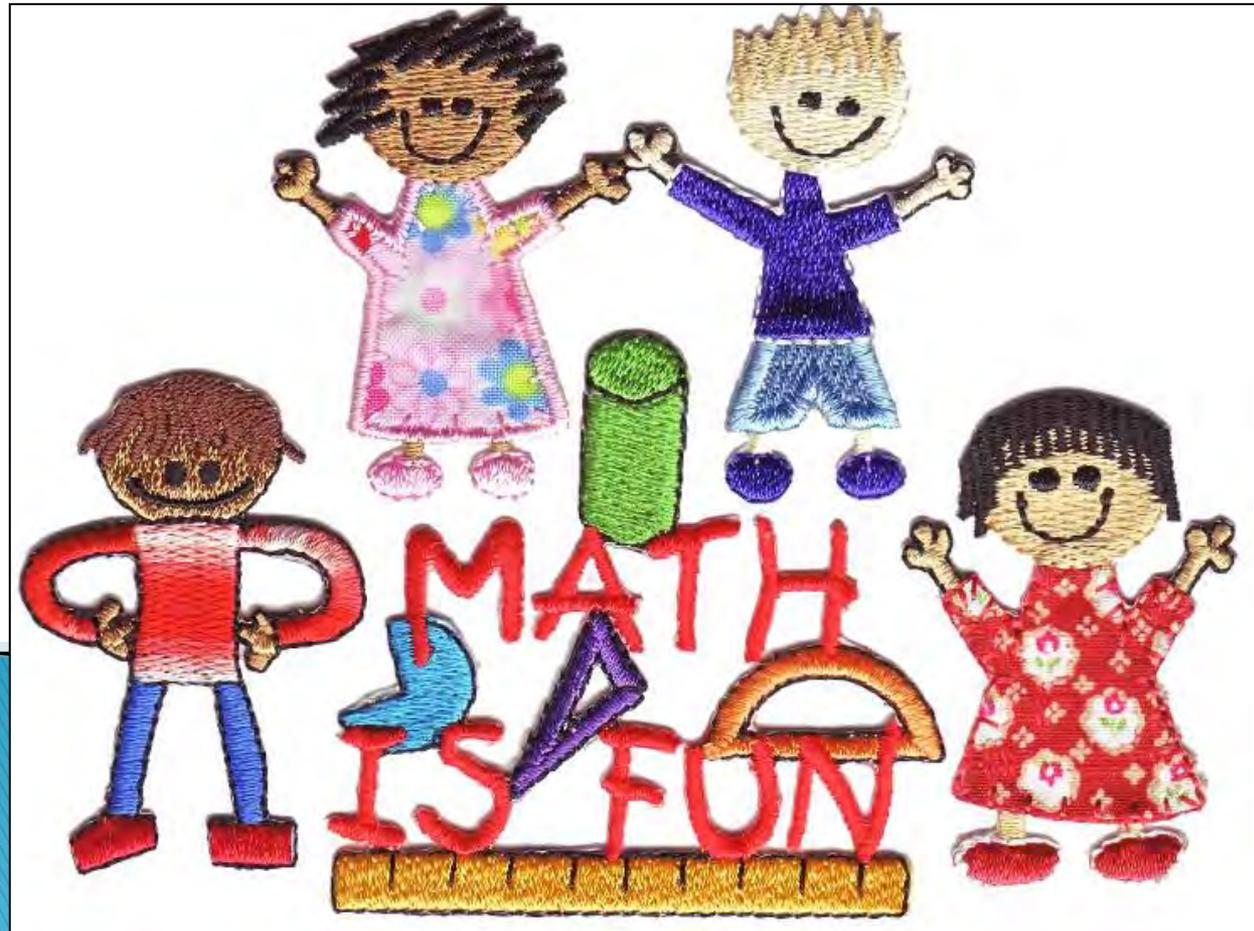




How you can help your child at home

Maths @ Home



Maths Experiences

- ▶ Children need lots of experiences in making, counting, drawing and talking about numbers.
- ▶ Make connections by explaining how numbers and counting are a part of everyday life.
- ▶ *You may feel that the Maths your child is doing at school is different from how you were taught, but you will still be able to support your child in many ways.*

Count together

- ▶ Read books that involve counting.
- ▶ Add the total of cutlery at the table.

Count

- ▶ the fruit in the fruit bowl.
- ▶ the number of people travelling in the bus.
- ▶ the food items as they are unpacked at home.
- ▶ each toss of the ball as you play a game.
- ▶ the steps to the letterbox, front door, clothes line.
- ▶ objects such as toys, shells, and flowers from the garden.
- ▶ days on a calendar. Count days down to a special event.

Number hunt

- ▶ With your child find numbers around you, for example house numbers, calendars.
- ▶ Look at and say the numbers on car number plates, signs, calendars, newspapers, shopping catalogues, speed signs, house numbers.
- ▶ Use different numbers as the starting point for practising counting, for example start counting from 6, 110, 2502. Ask your child to count forwards and backwards. Ask what number comes before or what number comes after.
- ▶ Identify the numbers on a calculator.

Make patterns

Recognising and making patterns are important maths skills for exploring numbers, shapes and symmetry.

- ▶ Identify and explain visual patterns on clothing, wrapping paper, crockery, cards and furniture.
- ▶ Use coloured pegs, blocks, beads or cutlery to begin a pattern for your child to continue.
- ▶ Encourage your child to draw, create and describe their own patterns.

Play games

- ▶ Play I Spy or other games to identify shapes, numbers and patterns.
 - ▶ Dice are a great addition to any toy collection. Roll the dice and say, make or write the numbers identified. Roll the dice and add, multiply, square root... the numbers together to find the total.
 - ▶ Play games with playing cards.
 - ▶ Put cards in order from largest to smallest by counting the shapes (hearts, spades) or using the numbers on the cards to create numbers.
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Measure things

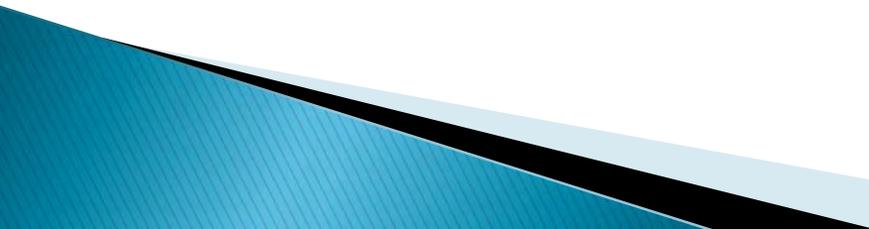
- ▶ Use a wall measuring chart to measure the height of people in your family.
- ▶ Cut a piece of string. Use the string to measure the objects in your house to find out what is longer or shorter than your 'string measuring tape'.
- ▶ Explore other ways of measuring using a cup, jug, teaspoon, icy pole sticks, foot prints or hand lengths.
- ▶ Build a tower of blocks that is taller than a favourite toy. Ask your child to count the total blocks to measure the height of the tower.

Sports scores

- ▶ How does your favourite sport tally the score? What maths is presented on the tally? How do other sports tally the score, for example, tennis, golf, cricket, netball, football?
- ▶ What maths do you use to find the total of the scores?
- ▶ How long do your favourite sport games go for in minutes and seconds?
- ▶ What are the shapes of different playing fields and courts? Talk about edges and angles. How can you estimate the perimeter and area of a playing field?

Weather Maths

Visit the BOM website or look at the weather maps in the newspaper.

- ▶ What is the difference between the minimum and maximum temperature for each day?
 - ▶ Find a seven-day forecast then record the actual temperature for each day and compare. Was the forecast accurate? What were the similarities and differences?
 - ▶ Use information to explore differences in weather from your area to others. How much rain do you get compared to others? Are there differences in temperature?
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Recipes

- ▶ Collect and read recipes and discuss the use of terminology. Make a list of the abbreviations used in the recipe and then write them in full.
 - ▶ Discuss how you would double a recipe.
 - ▶ Identify the temperature and cooking time on the recipe.
 - ▶ Estimate the cost to buy all the ingredients to make the recipe.
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Play shop

- ▶ Collect food and grocery items and label them with prices written on sticky notes or prices cut out of shopping catalogues.
- ▶ Talk about how we pay for items using notes, coins, credit card, EFTPOS, cheque.
- ▶ Make paper money or use play money to buy and sell goods from the shop.
- ▶ Use kitchen scales to weigh foods such as a box of tea bags or a bag of rice and order items by weight.

Money Maths

- ▶ Investigate costs for family trips together. For example, a visit to a theme park may include transport costs, entry ticket costs and food costs.
- ▶ Discuss saving money for presents or something your child may want to buy. Work out how long it will take to save this much if they get a small amount of money each week.
- ▶ Encourage your child to save a percentage of their pocket money or birthday money, and work out how much this would be. For example, how much money would you have if you saved 40% each week?
- ▶ Calculate together how much a mobile phone costs per month. How much is spent on messages and how much on phone calls?

Catalogues

- ▶ How would you spend \$100 from a catalogue?
How many products can you buy for \$100?
 - ▶ Select five products from the catalogue then calculate what the cost be if there was a 50% sale.
 - ▶ What is the best value sale item in the catalogue?
 - ▶ What are the cheapest and most expensive items in your catalogue?
 - ▶ Compare the cost of a product across different stores using different catalogues.
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Travel timetables

- ▶ What is the earliest and latest time to travel on this route? What is the difference?
 - ▶ How long does it take to travel the entire route? How many stops are there on a route?
 - ▶ What is the difference in the time travelled when not making all stops?
 - ▶ What is the cost? Is it good value compared to other travel options?
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Newspapers

- ▶ On the front page, estimate the percentage of picture and text. Does this vary over the first four pages?
- ▶ Research the cost per word/line to put a classified advertisement in the newspaper. Calculate how much it would cost to put an advertisement in the classified section.
- ▶ Find numbers in the newspaper, in digits and in words. Cut the numbers out and put them in order from smallest number to largest number.
- ▶ Try the number puzzles such as Sudoku, in the puzzle section of the newspaper or online.

Maths at home websites



<http://nzmaths.co.nz/maths-our-house>

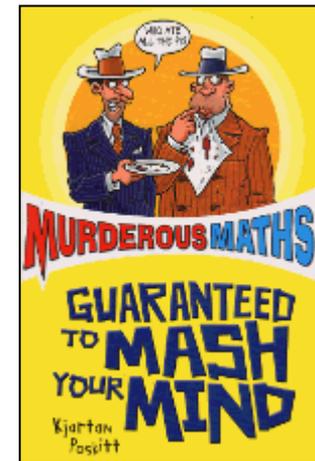
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