



Years 3 to 7 Parent Handout: How to Assist Your Child's Maths Development at Home

Number and Algebra	Measurement and Geometry	Statistics and Probability
<ul style="list-style-type: none"> • Number - Find numbers around you e.g. house numbers, calendar & number plates • Number - Look and say numbers individually and as a whole number on signs, number plates, house numbers etc. • Number - Use different numbers as a starting point for practising counting • Number – Count in non- conventional counting patterns • Number - Count forwards and backwards • Number - Ask what number comes before/after/between • Number - Play Guess the Number: “I’m thinking of a number. It has 3 digits. It is made up of 6 hundreds, 5 tens and 3 ones. This number is one less than 654. Which number am I?” • Number - Ask your child to identify the missing number in a counting pattern • Number - Ask your child to identify what the pattern is counting in • Number – Find numbers in the 	<ul style="list-style-type: none"> • Shape – Identify shapes in the environment • Shape – Discuss the attributes to shapes e.g. sides, corners, faces & edges • Shape - What are the shapes of different playing fields and courts? Talk about edges and angles • Measurement – Use of the language standard units of measure e.g. litre, cm, metre, gram, kg • Measurement - How can you estimate the perimeter and area of a playing field? • Measurement - Collect and read recipes and discuss different units of measurement. Discuss how you would double a recipe. 	<ul style="list-style-type: none"> • Statistics – Interpreting data from a variety of graphs e.g. sporting statistics of a favourite sporting team • Statistics - Estimate on the page of a newspaper the percentage of picture and text • Statistics – Link fractions to percentages (see Fractions suggestions in the first column) • Probability – Discuss the likelihood/chance of events occurring using the language possible/impossible/likely/unlikely/certain • Probability – Pose questions e.g. What is the chance of picking a blue marble out of a jar with 10 red marbles and 3 blue marbles • Probability – Ask you child to draw a diagram of a spinner where the chance of landing on red is more likely than landing on blue etc.

newspaper, in digits and words. Cut the numbers out and put them in order from smallest to largest

- **Number** – Let your child develop familiarity with a calculator and its functions
- **Number** – Practise addition, subtraction, multiplication and division strategies when driving in the car
- **Number** - How does your favourite sport tally the score? What's the difference in points between the 2 teams at half/finishing time
- **Number** – Try the number puzzles such as Sudoku in the puzzle section of the newspaper
- **Number** - Visit the website <http://www.bom.gov.au/weather/qld/> What is the different between the maximum and minimum temperature for each day? How much rain does Brisbane get compared to others?
- **Fractions** – Use maths language in relation to fractions e.g. numerator, denominator, proper fraction, improper fraction, equivalent fraction, mixed numbers
- **Fractions** – Continue to use hands on materials to develop an understanding of fractions e.g. cut a cake in halves, cut a slice of bread into quarters, a whole pizza = 1

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| <ul style="list-style-type: none">• Time & Fractions - How long do your favourite sport games go for in minutes and seconds? Are they divided into halves, quarters or something else?• Time - Use a train/bus timetable to calculate the time it takes to travel a route, what is the difference in time travel for an Express service compared to a service making all the stops• Time – Reading times on both analogue and digital clocks. Convert times to 24 hour time• Money - Estimate the cost to buy all the ingredients to make the recipe• Money - Use shopping catalogues to calculate what you could purchase for \$40/\$50/\$100 etc.• Money - Select items from a catalogue then calculate what the cost would be if there was a 50% sale.• Money - Calculating change, investigate costs for family trips together, calculate how much a mobile phone costs per month including messages and phone calls | | |
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Useful websites:

- Mathletics - <http://www.mathletics.com.au/>
- Rainforest Maths - <http://www.mathletics.com.au/> (Accessed through Mathletics)
- IXL Maths - <http://au.ixl.com/>