



**Helping Your Child at
Home with
Mathematics.**

Wednesday 31,st MAY 2017





Maths at Home

Number

Please note that these are only suggestions of possible mathematical activities you could enjoy with your child. You do not have to complete every activity. What matters is that your child has opportunities to apply the mathematics they learn in school to real life situations and to enjoy the Maths they experience at home.

At Home

- Count! Count up and down in ones, in twos and in different-sized steps.
- 123454321 2468 10 8 6 4 2 13 26 39 52 65
- Find things to count – stones, leaves, marbles, pieces of pasta, money. Think of good ways to count large numbers (e.g. counting in twos or grouping into tens and then hundreds).



- Play board games which require you to count a certain number of steps.



What is the largest number you can find in your house? Can you say/write it in words?

Out and About

Go on a number walk and take photos of all the numbers you can find. For a greater challenge, set yourself some rules e.g. take photos of multiples of three or decimal numbers only.

Walk down the road and predict the house numbers as you go.



Useful Vocabulary

count
odd
even
efficient
tens
hundreds
pattern



Maths at Home Number



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Maths at Home

Multiplication

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At Home

How many shoes do you have in your house?



If everyone has three potatoes on their plate, how many altogether?

If you are baking a cake, how would you alter the quantities to make twice as much?

Bake chocolate chip cookies with the same number of chocolate chip decorations on each one. How many chocolate chips on 12 cookies etc.?

Out and About

How many cars can you see on the way to school? How many wheels?



How many dogs can you see at the park? How many legs do they have altogether?



Can you find an array? Which pair of multiplication facts does it show?



At the petrol station, what is the price of 1 litre of petrol? How much would 10 litres cost? Estimate how much it will cost to fill the tank.

Useful Vocabulary

lots of, groups of
multiply
times
array



Maths at Home Multiplication



GUESS MY ARRAY!

The image shows three different arrays of objects for a guessing game:

- Paper Clips:** A 3x4 grid of 12 paper clips in various colors (yellow, green, blue, purple).
- Pretzels:** A 3x3 grid of 9 pretzels.
- Buttons:** A 4x5 grid of 20 buttons in various colors (purple, green, red, yellow, blue).





Maths at Home

Shape

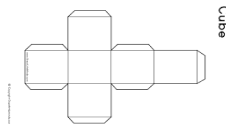
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Cut out a selection of different shapes out of coloured paper. Use them to make a picture.

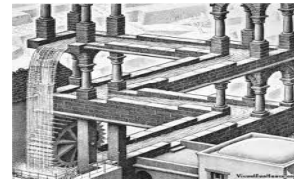


Look at pictures by Escher. What can you see? Have a go at making your own picture in his style.

Make a net for a 3-dimensional shape.



Cube



Build shapes out of polydron or other construction toys.

Find examples of 3-d shapes around the home (e.g. cylinders, spheres). One person chooses a shape and hides it. The other person can feel it but not see it. Can they work out what it is?

Go on a shape hunt. Take a camera and take photographs of all the shapes you can find. Here are some things you might want to look for:

- triangles, rectangles, quadrilaterals, pentagons etc.
- regular polygons (all sides and angles equal)
- irregular polygons
- spheres, cubes
- things with a line of symmetry
- tessellating shapes



Useful Vocabulary

triangle, rectangle, square, quadrilateral, pentagon, hexagon, heptagon, octagon

regular polygon

sphere, cube, prism, square-based pyramid, cylinder

symmetry

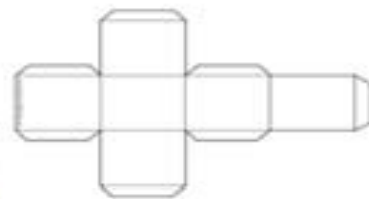
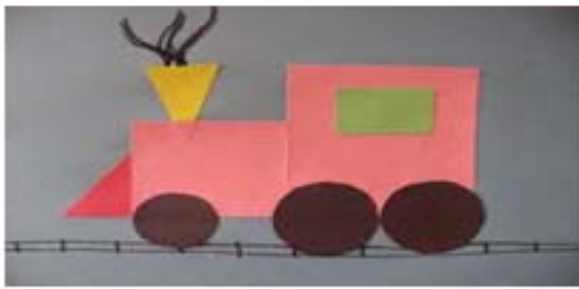
parallel, perpendicular

right angle, acute, obtuse

2-d, 3-d, net



Maths at Home Shape



Cube





Maths at Home

Weighing and Measuring

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Get baking! Follow a recipe and you will be practising your reading as well.

Measure the heights of your family and order from tallest to shortest



On a sunny day, measure the length of your shadow every hour. What do you notice?

How much does an empty tin of baked beans weigh? How could you calculate this without eating the baked beans? If you then eat the baked beans, you could check how accurate your answer was.

Can you find objects which weigh a certain amount? Have a competition and see who can get closest to 200g.

Record the temperature every day for a week. Which day was the hottest? Which day was the coldest? (This is a particularly good activity for a really cold week.)

Measure at home!



Useful Vocabulary

weigh
measure
estimate
length
temperature
g, kg
km, m, cm
l, ml
°C



Maths at Home Weighing and Measuring





Maths at Home

Time



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Tell the time. Wear a watch and look at it often.

Encourage your child to use the family calendar.

Using a calendar, work out how many days until a birthday or Thingyaan.

Read stories about the months of the year. Can your child remember the months in the correct order?

Read stories about the days of the week. Can your child remember the days in the correct order?

Look at the TV guide. Calculate the length of different programmes.



Thu 3/5	6:00pm	6:30pm	7:00pm
755 TRAVEL	Passport to LA	Bizarre Food	21 Manly Man Ad.
756 FOODHD	Quick Fix Meals With Robin Miller	Dine on a dime	
757 HDVHD	House Hunters	House Hunters	Love It or List It
758 TRSD	Local Programmi.	Everybody Loves	Seinfeld
759 BRND	Titanic		
760 LRSD	Sanctity	Snowmagicalism	
761 LMRD	Modern Family	CSI Miami	
762 SCNEZ	Factory Made	How Do They Do.	Mythbusters

January						
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Go to the bus stop. Use the bus timetable to work out the time of the next bus. How long will it take you to reach your destination?

Plan a trip by train. Convert the times from 24 hour clock.

Take a camera on a walk through town. How many clocks can you find? What times do they say?



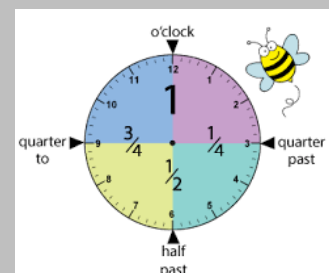
Useful Vocabulary

24-hour clock

12-hour clock

o'clock, half past

quarter past, quarter to

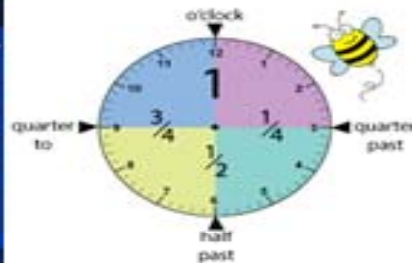




Maths at Home Time



Thu 3/5	6:00pm	6:30pm	7:00pm
735 TRAVHD	Passport to La...	Bizzare Food	21 Manly Man Ad...
736 FOODHD	Quick Fix Meals With Robin Miller		Dine on a dime
737 HGTVHD	House Hunters	House Hunters	Love It or List It
738 TBSHD	Local Programmi...	Everybody Loves...	Seinfeld
739 BRAVD	Titanic		
740 LIFEHD	Serenity		Snowmageddon
741 LMBHD	Modern Family		CSI Miami
742 SCIENCE	Factory Made	How Do They Do...	Mythbusters





Maths at Home

Money The English NC uses Pounds and pence but children need to know a bout other currencies especially Kyat and US dollars

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Count how much money is in your piggy bank.

Look on the internet or in a shop's magazine or leaflet. Plan how you would spend a given amount of money. E.g. if you had £10 to spend on a meal, what would you buy?

Plan what you will buy your family for New Year/birthdays. How much would a present cost? Can you afford it? Will you get any change? How much does a card cost? Would it be cheaper to buy cards in bulk or to make your own?



Unit	Amount (\$)
Yarn cost per dozen	\$31.48
Printing Cost per dozen	\$1.00
Embroidery Cost per dozen	\$1.00
Accessories Cost per dozen	\$5.00
Washing cost per dozen	\$5.00
Cost of making (CM)	\$30.00
Commercial cost	\$1.00
Others cost	\$0.50



Useful Vocabulary

Pounds pence kyat dollar
cent
total cost
estimate

Go to the shops. Estimate the cost of your shopping. How close can you get?

At the shops, look at special offers. Are they good value or not?





Money



MENU	
SNACKS	WRAPS
ALMOND TOFU SALAD \$1.50	AVOCADO-TOFU WRAP \$1.50
CHICKEN & BROCCOLI \$1.50	BANJO CHICKEN WRAP \$1.50
SALMON & CUCUR \$1.50	BARBECUE CHICKEN WRAP \$1.50
CHICKEN & BAYON \$1.50	BEAN & VEGET WRAP \$1.50
CHICKEN & TOMATO \$1.50	CHICKEN SALAD WRAP \$1.50
CHICKEN & BROCCOLI \$1.50	SPICY CHICKEN WRAP \$1.50
CLASSIC CHICKEN & TOMATO \$1.50	
CHICKEN & ANANAS \$1.50	DRINKS
LARDON CHICKEN \$1.50	SPRING JUICE \$1.50
LEMON CHICKEN \$1.50	WATER \$1.50
PANCAKE & CHICKEN \$1.50	LEMONADE \$1.50
BANJO BANG CHICKEN \$1.50	FRUIT & VEGET JUICE \$1.50
WATER \$1.50	NEW! COCONUT WATER \$1.50
TACOS \$1.50	

