



Craigmount

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Helping your Child with Numeracy.

Denise Blair

CL Mathematics and Numeracy



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Baking
Budgeting with
pocket money
De-coding
games

PE – counting
scores
PSE – Litter
counting with
problem solving

Digital Literacy -
Decoding
Home Economics –
Weighing/ Measuring
Science – drawing
graphs and working
out percentage.

Shopping –
budgeting, keeping
track of Daily
Recommended
Allowances.
Reading Timetables.
TV – durations

What our S2 Students say!

Students can find posters around the school...

Numeracy Across the Curriculum

GEOGRAPHY

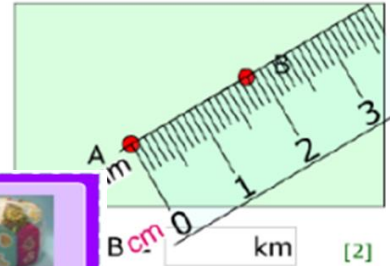
Scale

Geography the scale of a map is the ratio between the size of an object on the map and its real size.

In Maths we use scale in a similar way.

Scale is 1 : 250,000.

This scale is for a 1:50 000 scale map.
1 cm on the map represents 50 000 cm on the ground.



Numeracy Across the Curriculum

ART & DESIGN

Symmetry

The number of positions a figure can be rotated to, without bringing in any changes to the way it looks originally, is called its order of rotational symmetry.



Rotational Symmetry Order 3

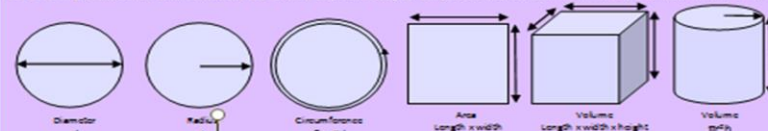


Rotational Symmetry Order 9



Rotational Sym

SHAPES - having a good working knowledge of shapes and of how to measure them is very useful in Textiles. The products shown on the right are all GCSE products which demonstrate the use of numeracy in this subject. Can you see how the students needed to use mathematical skills?



MATHEMATICAL TERMS USED IN TEXTILES

←→ This symbol on a textiles pattern piece tells us that this line must be parallel with the selvedge of the fabric.

When working with checked or striped fabrics, careful placement of your pattern pieces will help your product look **symmetrical**.

The **stitch length** and **width** selectors on our sewing machines enable us to change the type of stitch we use.

Roughly speaking, the numbers represent 1mm, so a zigzag stitch of C-2-4 would make stitches that were 4mm wide but just 2mm apart. A standard straight stitch is A-3-5

Keeping a standard width but altering the stitch length will change the look and function of the stitch. A satin appliqué stitch can be made by positioning the dials at C-8-5

AVERAGES - used in calculating...
mean = the sum of the number of numbers made - the value of the most often made - the middle value when the numbers are placed in order.

SEAM ALLOWANCE

The standard seam allowance is 15mm. Usually this measurement is already added onto a dressmaking pattern but occasionally you may have to add it yourself! Maintaining a standard seam allowance is one of the most important ways in which we use Quality Control to produce accurate and symmetrical products.

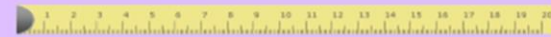
All our sewing machines have markings on the needle bed to help your accuracy in measuring and maintaining this seam width.

NUMERACY IN D&T TEXTILES

MEASURING - Measuring in millimetres is more accurate than measuring in centimetres. When measuring fabric you will use a ruler or measuring tape. Always check where the 'zero' is and start measuring from this point. There is an old saying that goes "measure twice, cut once". Double check your measurements before you cut into your material. Mistakes waste fabric but mistakes in measuring can also affect the size, function and symmetry of your product.

TACKING

"Good tacking of clothes should be 1cm long and 1cm apart". Tacking stitches are a temporary method of holding your fabric in place, so that they do not move when you use the sewing machine. How good are you?"





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Key Topics to work on with your child:

Money

Time

Measurements

Number and Number Processes

Fractions, Decimals and Percentages

Estimation and Rounding

Chance and Uncertainty





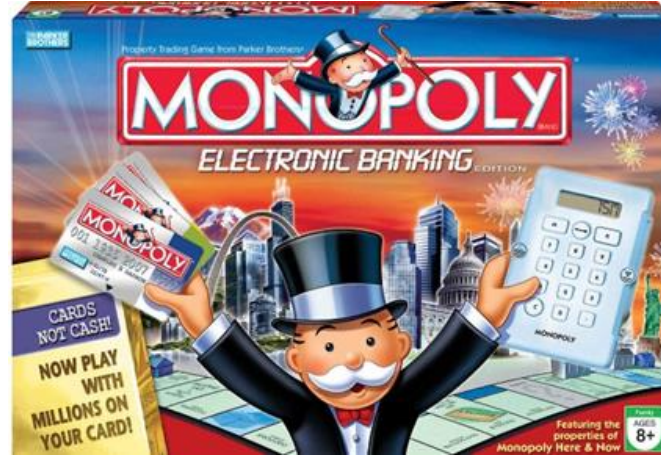
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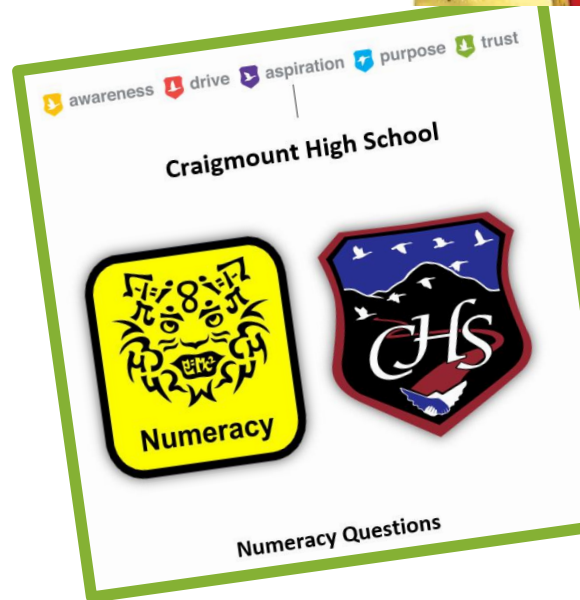
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Support your child with their Numeracy

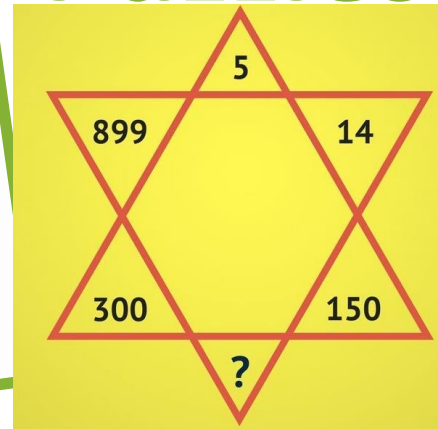
Board Games



INVESTING TOOLS
FUNDS LOAN MUTUAL
ACCOUNT CREDIT CARD
MORTGAGE INSURANCE
BANKING
PERSONAL BUSINESS
MANAGEMENT MONEY
SERVICE FINANCIAL
INVESTMENT



Puzzles



Cooking



awareness drive aspiration purpose trust



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Money

Some ideas on how this could be done...

Time





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How can I help?

1 Look for shapes and patterns in real life	2 Have your child measure ingredients for a recipe you are making	3 Ask your child to explain the math skills he or she is working on in school	4 When helping your child with homework or school assignments, ask him or her to explain how he or she got an answer	5 Help your child find some appropriate number and problem-solving games to play online	6 Play card or board games that involve counting or patterns
7 Ask your child to count change at the grocery store, or to estimate the total cost while you are shopping	8 Compare: ...the tallest? ...the heaviest? ...the longest? ...the smallest? ...the fastest? ...the hottest? ...the most expensive?	9 Have tools such as a ruler, a scale, a calculator, and a measuring tape available to use in your house	10 Encourage your child to track or graph scores or stats for a favorite sports team	11 Use dice or playing cards to make a game out of practicing math facts	



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NUMERACY is **IMPORTANT**
check out [Education Scotland](#)
that details specific topics and
how they are applicable in real
life!



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Looking For Some Helpful Websites

[Education Scotland Parentzone](#)

[National Numeracy Family Toolkit](#)

[Read Write and Count](#)

[BBC Bitesize Numeracy](#)

[BBC Bitesize 2nd Level Maths and Numeracy](#)

[BBC Bitesize 3rd Level Maths and Numeracy](#)



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3 Top Tips!

- Talk Positively about Numeracy
- Point out Numeracy in Everyday Life
- Praise your Child for Effort



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Activities

Pack of Cards
with games
ideas

Maths Tarsia- try
this with your
child!

Curriculum for
Excellence Booklets
Numeracy Questions



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What are we doing to
help?
Class teams & Numeracy
on school website