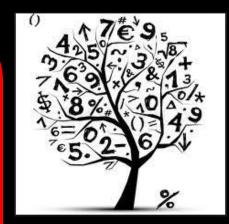
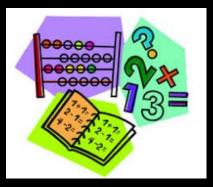
Numeracy at Netherthorpe

- What is Numeracy?
- Perception of Mathematics
- Numeracy in real life
- Numeracy and work
- Apps and websites
- Mathematics homework







What is Numeracy?

Across the UK roughly 4 in 5 adults have a

low level of numeracy



Numeracy is the ability to use mathematics in everyday life.

Being numerate means having the confidence and skill to use numbers and mathematical approaches in all aspects of life - at work, in practical everyday activities at home and beyond, as consumers, in managing our finances, as parents helping our children learn, as patients making sense of health information, as citizens understanding the world about us.

Numeracy complements literacy and is sometimes called 'mathematical literacy'. Both skills are needed in order to function fully in modern life.



Numeracy - activity



http://happysoft.org.uk/countdown/numgame.php

Numeracy Magic

- > Think of a number
- Double it
- > Add 10
- Halve it
- Take away your original number







Numeracy Magic

Is 5 your answer?



Parents Perceptions of Maths



Parental involvement has a large and positive impact on children's learning Review of Best Practice in Parental Engagement" (Department for Education, 2010

Be positive about Maths

A parent's perception of mathematics influences not only their child's feelings about maths but also their child's achievement in mathematics.

'I could never do maths' 'I hated maths at school'

'When will I use maths again?'

'Maths is not for me'



A good understanding of everyday maths will help your child with important tasks, such as making decisions and understanding information. It will also help them develop essential lifelong skills such as:

- •Splitting the bill after a meal out with friends and working out what tip to leave
- Converting currency rates when abroad
- Managing personal finances, budgeting and saving
- •Getting to work on time, estimating how long a journey will take, knowing when to fill up on fuel
- •Planning an outing for the family, packing a lunchbox or suitcase
- •Knowing if the answer on the calculator is reasonable, or if you pressed the wrong button
- •Reading data presented in a variety of forms, such as graphs and tables, scales on a thermometer or weighing scales, and interpreting statistics in the news
- •Working out the odds in sporting events, keeping score in games, knowing what to aim for in order to win
- •DIY jobs such as painting and decorating, or working out how many walls tiles are needed to cover an area.



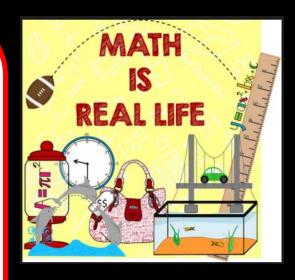
Make numeracy relevant to real life

Shopping



- BOGOF offers
- %'s off
- Best Value





Cooking



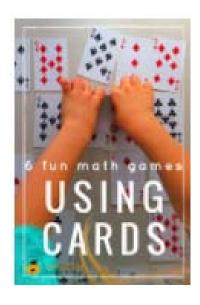
- Recipes proportions
- Weighing ingredients
- Changing units of measurement





Card Games

- I spy with my little eye
- First to add it up
- Fast facts
- Card bingo
- Counting on card game
- Place value cards



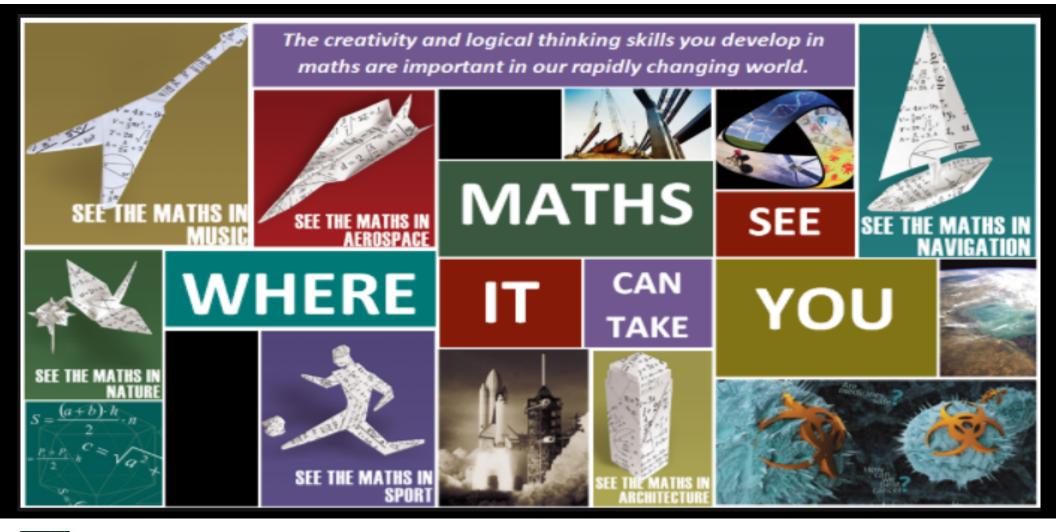
Darts



www.transum.org/Maths/Game/Darts

Throw three darts, you then have to add up your scores, type in the total then subtract that total from your score.









Where can maths take you?

- Accountant
- Architect
- Construction
- Engineering
- Insurance
- IT & Computing

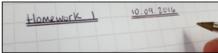


Netherthorpe School - Guidance for maths homework

You should complete your homework in your maths exercise book. Your teacher should let you know which homework to complete, and when it should be completed by.

You should begin every homework by writing the title of the homework, and the

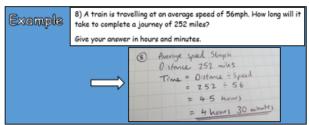
date you complete it.



You should always set your work out neatly, writing the question, working out, and your final answer.



For longer questions, you do not need to copy every word, but you should still write down any important values or information from the question.



You should always write down your working out, even if you are answering questions using a calculator. This is important so that your teacher knows how you answered the question, and can help you to improve if you make a mistake.

You may find some questions harder than others, but you should always try your best to answer every question. If your teacher does not think you have done your best, they may ask you to re-do your homework.

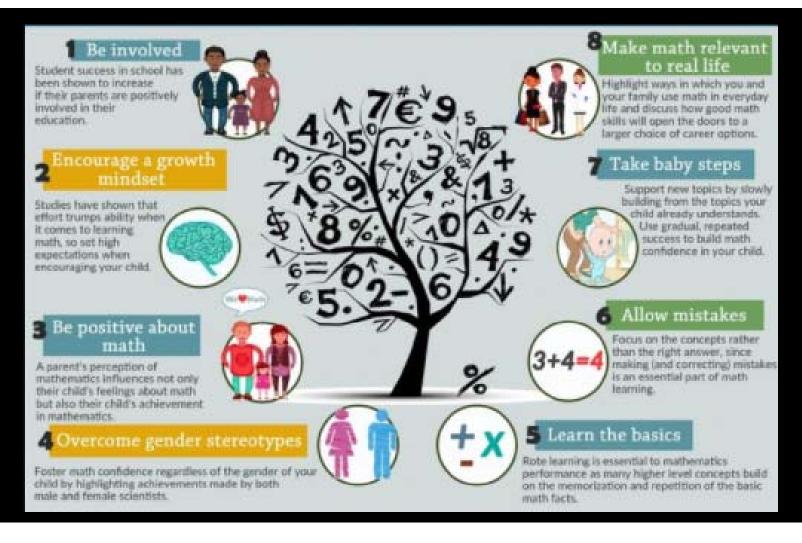
If you have any questions about your homework, ask your teacher as soon as possible.

Mathematics Homework

Year 7 Homework 1 (Non-Calculator)			
1	A film starts at 19:50 and last for 2 hours and 15 minutes. What time will the film end?	9	Write down a common factor of 36 and 24.
2	A roast chicken needs to cook for 1 hour and 50 minutes. I want it to be ready at 7.30pm. What time should I start cooking the chicken?	10	Write down a multiple of 8 that is greater than 100.
3	Coffee costs £2 and tea costs £1.50. How much will 5 coffees and 4 teas cost?	11	What is 20% of £160?
4	Work out 17 × 36	12	Sally scores 41 out of 50 on a maths test. Write this score as a percentage.
5	Work out 112 ÷ 7	13	How many millimetres are equal to 36 centimetres?
6	A coach can carry 52 passengers. How many passengers can 8 coaches carry?	14	How many <u>metres</u> are equal to 2.5 <u>kilometres</u> ?
7	A van can hold 24 boxes at once. How many trips must the van make to move 288 boxes?	15	A square has an area of 64cm ² . What is the length of one side of the square?
80	I think of a number. I double it and add 4. My answer is 30. What number did I start with?	16	A rectangle has a perimeter of 24cm. The length of the rectangle is 2cm greater than the width. What is the length and width of the rectangle?

- Synoptic homework booklets
- Given once a week
- Students need to reflect on homework in green pen
- Extension tasks given







Apps and websites for Maths

Times tables

10 monkeys



Times table quiz

Websites

- www.bbc.co.uk/education
- www.nrich.maths.org
- www.transum.org
- www.topmarks.co.uk/maths-games/11-14-year

