

Parent Workshop

Mathematics

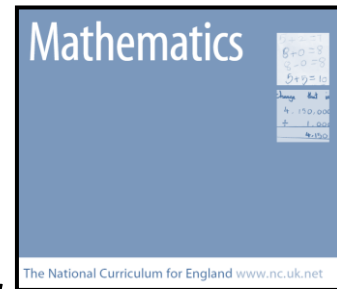
Glenfall Primary School

Tuesday 5th February

Objectives

- To explain the importance of Mathematics
- To outline the need for children to develop mathematical fluency and understanding
- To provide some practical ideas which can be used at home to support your child.

The importance of Mathematics [National Curriculum]



Mathematics equips pupils with a uniquely powerful set of tools to understand and change the world. These tools include logical reasoning, problem-solving skills, and the ability to think in abstract ways.

Mathematics is important in everyday life, many forms of employment, science and technology, medicine, the economy, the environment and development, and in public decision making.

Different cultures have contributed to the development and application of mathematics.

Today, the subject transcends cultural boundaries and its importance is universally recognised.

Mathematics is a creative discipline. It can stimulate moments of pleasure and wonder when a pupil solves a problem for the first time, discovers a more elegant solution to that problem, or suddenly sees hidden connections.

Mathematics is everywhere!

We think 'mathematically' every day.

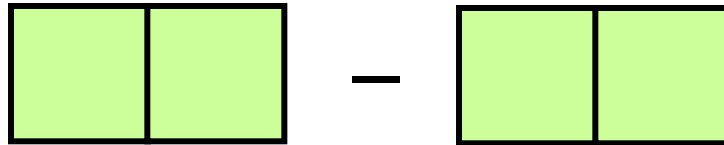
We **count**, **estimate**, **weigh**, **measure** and **calculate**.

Helping at home!

- TALK about the maths your child has done at school
- PLAY games, especially using dice, cards or dominoes
- Let your child handle MONEY when shopping
- Encourage your child to COOK with you!!
- Sing songs/rhymes and practise 'tables' when travelling in the car

Use the digits 1, 2, 5 and 6.

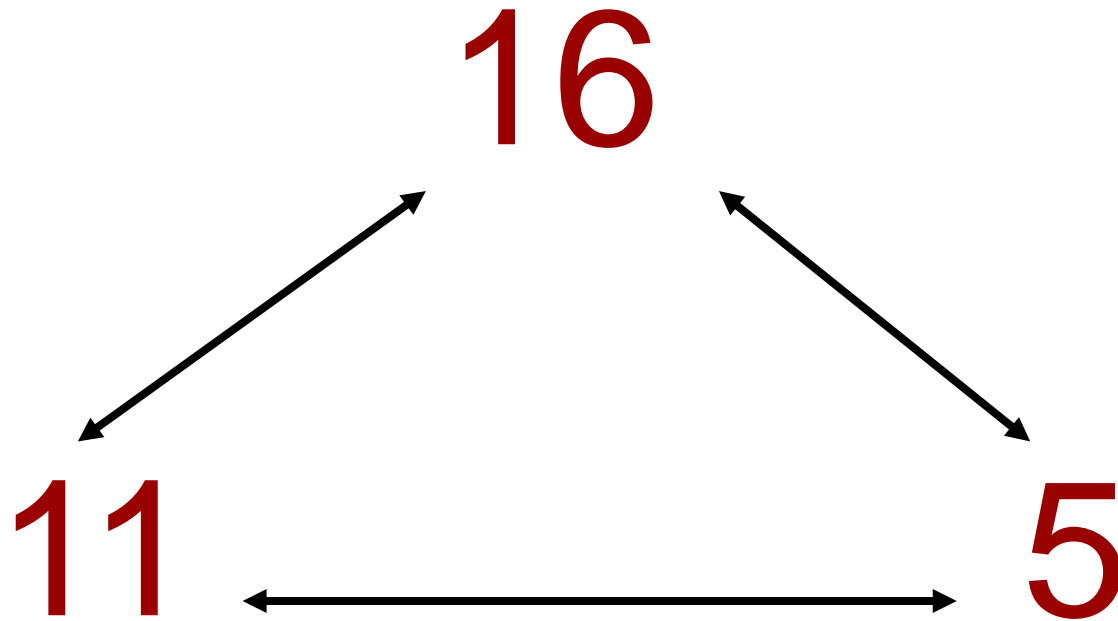
Create a calculation ...


$$\begin{array}{|c|c|} \hline & \\ \hline \end{array} - \begin{array}{|c|c|} \hline & \\ \hline \end{array}$$

**... with the smallest possible
difference (>0)**

**Every child's mind matters
in Mathematics**

Odd one out?



Changing the mind-set

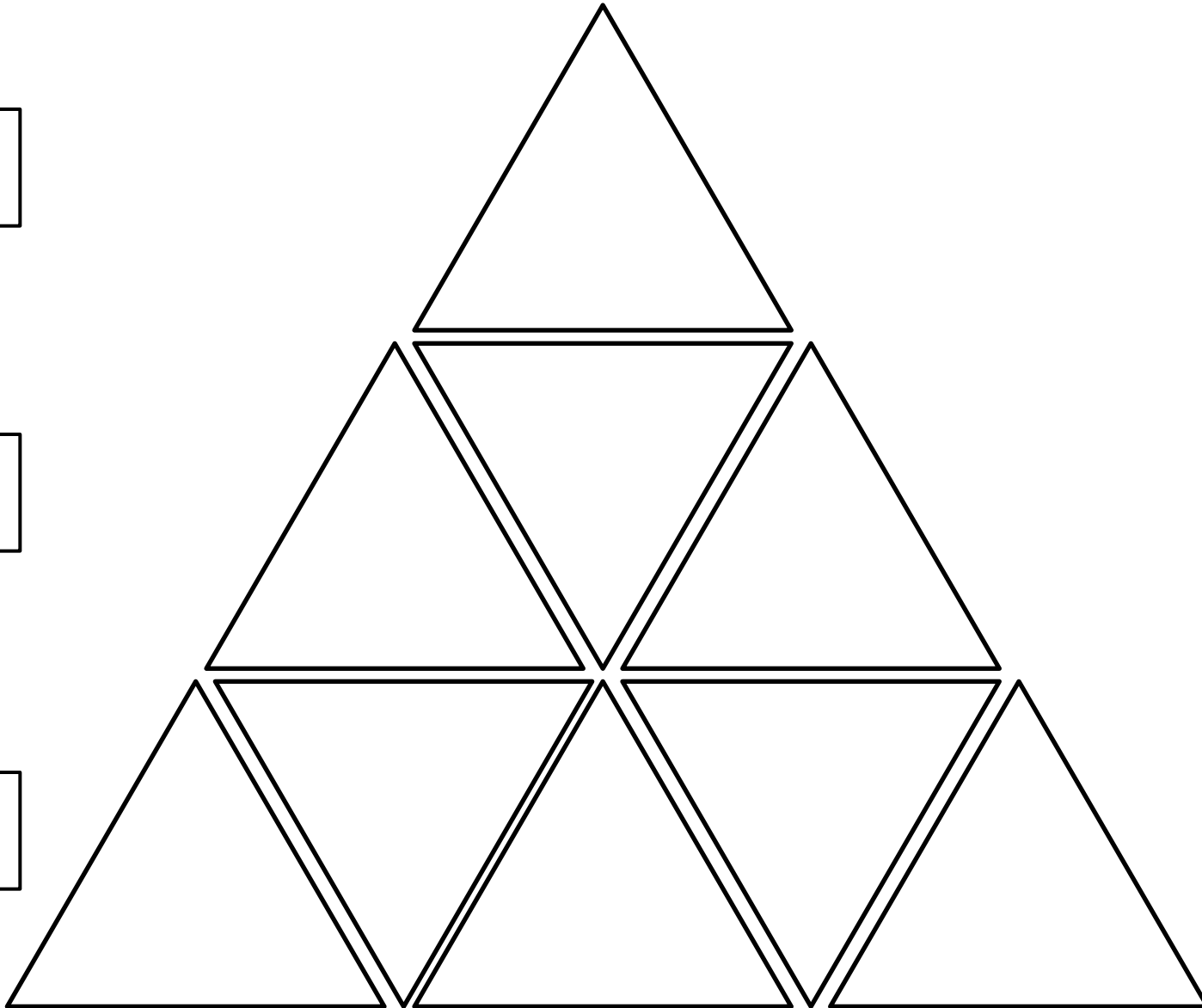
When we ask a question,
we're not only interested
in the correct answer
but in what children **think**.

One big triangle

1

3

5



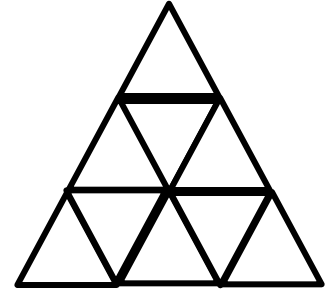
1

4

9

One big triangle

Complete the triangle so that all 'touching' numbers have ...



... a total
< 10

... an odd
total

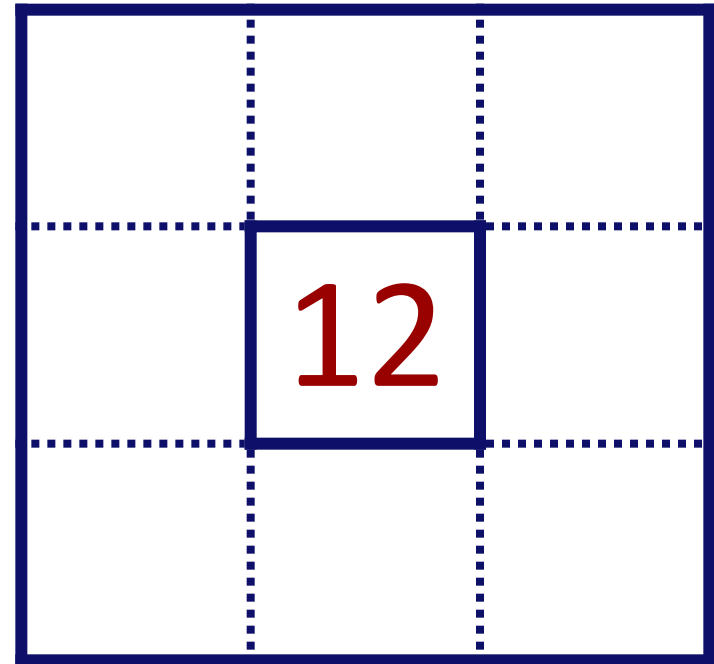
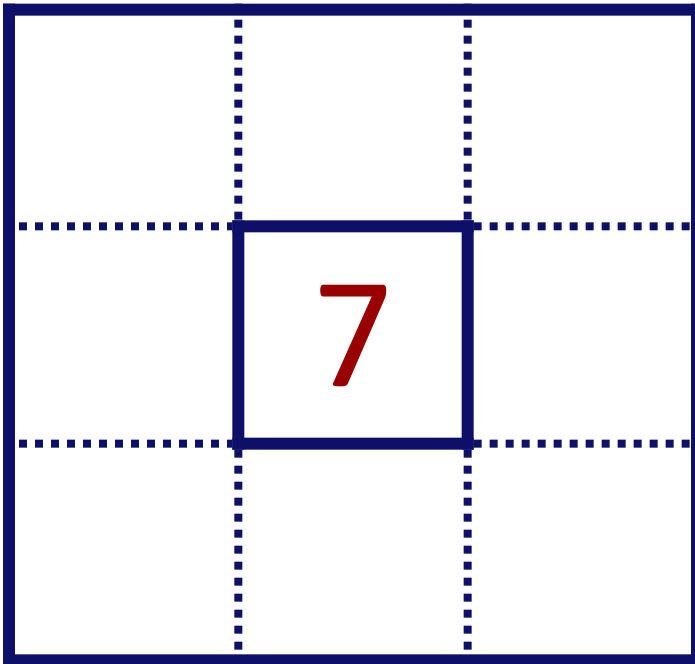
... a
difference
of 1

... an even
total

... a total
of 10

... an even
product

Total squares

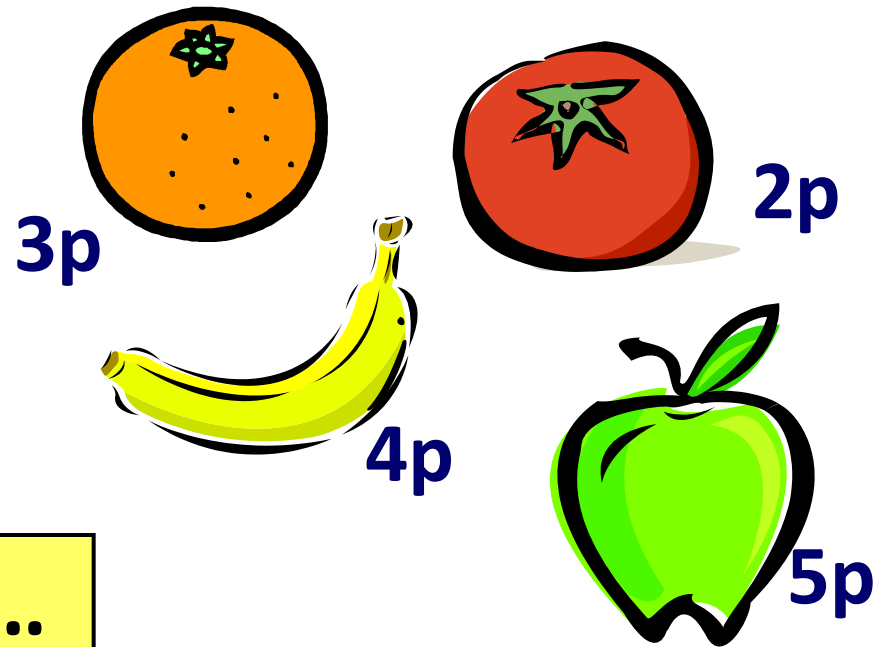


Use 8 different dominoes.

The sides of each square must have the same number of dots as the middle number.

If I know ..., then ...

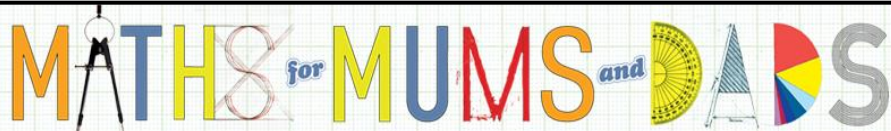
10g costs 30p ...



2 bags weigh 40g ...

**100% is
£320**

- How much do 5 tomatoes / 3 apples cost?
- Is it cheaper to buy 5 oranges or 4 bananas?
- How much would it cost if I bought ...?
- How much change would I get from ... if I bought ...?



Book Praise Excerpt Quiz Buy Contact

Rob Eastaway and Mike Askew

"If you have a child in primary school - this is a must..."
Review Amazon.co.uk

In this highly acclaimed book, recommended by teachers and maths advisors across the UK, Rob Eastaway and Mike Askew give an entertaining, straightforward and pain-free insight into primary school maths for parents.

Surveys have found that as many as one third of parents are not confident when dealing with the maths homework brought home by their children. At worst, parents worry about getting right even the most simple maths questions. And even parents who are good at maths are baffled by modern teaching methods and terms, or are frustrated that their children just don't "get it". There is widespread frustration that children are no longer being taught the important old-fashioned stuff or are being taught to do long multiplication in a new-fangled, different way.

Guiding parents through the basics of the maths their children are learning



MATHS 4 MUMS & DADS

ABOUT US ABOUT SCHOOLS EVERYDAY MATHS USEFUL LINKS PAGES TESTIMONIALS INFO FOR TEACHERS CONTACT US

Maths is good for you!

Research has shown that:

- Numeracy exercises are very good for the brain
- In the long term, it helps employment prospects
- Maths qualifications can lead to more earning power

BUY THE BOOKS
Click for stockists

TAKE THE TEST
Maths examples for parents

B BLOG

How this website will help

This site will explain some of the milestones children make between the ages of 3-and-11-years-old.

Maths for mums and dads – Rob Eastaway

[Rob Eastaway](#) has been Director of **Maths Inspiration** since it began in 2004. He is an author whose books on everyday maths include the bestselling *Why Do Buses Come In Threes?* and *The Hidden Maths of Sport*. He appears regularly on BBC Radio 4 and 5 Live to talk about the maths of everyday life and has given maths talks across the world to audiences of all ages

<http://www.bbc.co.uk/news/11260872>

Commercial games

- Snakes and Ladders
- Ludo
- Connect 4
- Noughts and Crosses
- Junior Monopoly
- Frustration
- Guess Who?
- Mastermind
- Battleships
- Mankala
- Draughts / Backgammon
- Top Trumps
- Uno
- Darts / Snooker
- Bingo
- Pontoon / 7s
- Newmarket

Useful websites

- **LASCO Maths** <http://www.lascomaths.com/> - annual 'challenge' event for Primary pupils
- **Transum** <http://www.transum.org/Software/> - provides a mathematics challenge for every day of the year!
- **Nrich** <http://nrich.maths.org/public/> - **FREE** enrichment materials (ages 5-19). The resources are designed to develop problem-solving and mathematical thinking skills.
- **BBC Bitesize** <http://www.bbc.co.uk/bitesize/> - useful summary of KS1 and KS2 content with interactive activities
- **Kangaroo Maths** <http://www.kangaroomaths.com/index.php>
- **I Love Maths Games** <http://www.ilovemathsgames.com/> – games, puzzles and investigations