

Dear Parents, listed below is the learning we have covered this half term in Maths. We have suggested activities you can try at home with your child to support them with their learning

You could try using an Aztec theme!

To identify factor pairs.

- Explore finding factor pairs of different numbers e.g. $16 - 1 \times 16, 2 \times 8, 4 \times 4$.
- Reasoning - explain what a factor pair is and how to find them.
- Draw representations for factor pairs.



To use the standard written method to multiply a 3 digit number by a 1 digit number.

- Use the grid method to help you.
- Roll a dice to get numbers to multiply using the standard written method.
- Put multiplication into a practical context e.g. when baking I need 3 eggs for each batch of muffins and I'm making 4 batches. How many eggs will I need.

To multiply three numbers.

- Roll a dice three times and multiply the numbers you roll.
- Reasoning - explain how to multiply three numbers.
- Find all of the different ways to multiply three numbers and decide which is the most efficient.

$$\begin{array}{r} 8 \\ 7 \overline{) 56} \end{array}$$

Bus stop method

$$\begin{array}{r} 23 \\ \times 3 \\ \hline 69 \end{array}$$

standard written method



To use the bus stop method to divide a 3 digit number by 1.

- Use times tables and arrays to help you.
- Use objects such as pasta to help you divide the numbers.
- Put division into a practical context e.g. sharing out sweets between friends etc.
- Use words related to division e.g. sharing, grouping.

Please remember times tables are part of the children's ongoing home learning.
By the end of year Four the children should be fluent in all of the times tables up to 12×12 .



To find the area of shapes by counting squares.

- Create area art on squared paper and calculate the area.
- Explain the difference between area and perimeter.
- Reasoning - explain how to find the area.
- Find the area of items around the home.

To measure the perimeter of 2D shapes.

- Make shapes out of straws and measure the perimeter of the shape.
- Create shapes on the ground outdoor using chalk or masking tape on the floor indoors and measure the perimeter of the shape.
- Hunt for shapes around the house and find the perimeter of them.
- Find the perimeter of the letters of your name.
- Reasoning - explain how to find the perimeter.



Useful websites

- www.bbc.co.uk/schools/parents
- www.counton.org.uk
- www.funbrain.com
- www.murderousmaths.co.uk

To find fractions of amounts.

- Use times tables and division to help you.
- Use chocolate bars to find fractions of amounts. E.g I have a bar of chocolate it has 8 cubes, what is $\frac{3}{4}$ of my chocolate bar?
- Divide amounts of objects e.g. cereal, pasta or lego into equal groups to find fractions of amounts.
- Reasoning - explain how to find different fractions of amounts.

Mental maths games

- IXL maths
www.ixl.com
- Top marks mental maths games
<http://www.topmarks.co.uk/maths-games/7-11-years/mental-maths>
- BBC Bitesize Multiplication game
<http://www.bbc.co.uk/bitesize/ks2/maths/number/multiplication/play/>
- Times tables grid game
<http://www.bbc.co.uk/skillswise/game/ma13tabl-game-tables-grid-find>
- ICT games
http://www.ictgames.com/multiplication_rounding.htm
- Sumdog
www.sumdog.com