

Maths at Bedwell

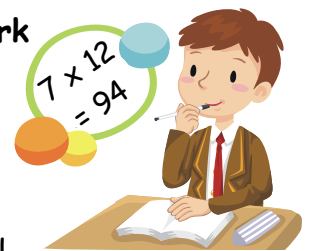
Year 6
April 2017

Each half-term, every class in the school focuses on **one key area of maths**, based on strengths and weaknesses identified by all of our teachers at the start of the year. Your child's targets are explained over the page, along with some **ideas for how you can support your child with them at home**. The targets are split into 3 sections - the 'Should' target is age-related, based on national standards for maths, and is the point most children should reach. For some children maths can be difficult and therefore they are targeted to get the 'Must'. For others who really excel at maths there is the 'Could' target, which challenges them to work at a higher level.

Each class also selects a key set of number facts - their '**Learn-Its**' - which they practice every day. These are explained below, and again it would be a **huge help** if you could spend a few minutes every day helping your child to learn these.

Learn-Its: 7, 11, 12x tables

This half-term, Mrs Draper's and Mr Hollingsworth's classes will work on the 7x table, Mr Roberts' set will be practicing the 11x and 12x tables, and Miss Shaw's group will focus on squares, cubes and square roots. Here are a few things you could try together:



- Chant, sing, whisper... Say tables out loud together whenever you have the chance - silly voices and silly ways to say them really stick in the memory.
- Try making-up rhymes to help remember number facts (" 9×7 is 63, *Spongebob lives under the sea*")
- Write-out tables with finger paints, chalk or water-on-tarmac, or make them from playdoh or fridge magnets.
- Look for numbers in that table in the world around you - on doors, car number plates, in phone numbers or when you're out shopping.
- Work on games from your child's tables revision packs - they should be bringing this home every week, and swapping it for a new one when they've completed the next step on their tables card. A few minutes every day makes a huge difference!

Must	Should	Could
I can use short multiplication and division to multiply and divide 4-digit numbers by 1-digit numbers	I can use long multiplication and division to multiply and divide 4-digit numbers by 1-digit numbers	I can use formal methods to multiply and divide whole numbers by 2-place decimals

Our targets this term are about written methods for multiplication and division. By the time we're in Year 6, we should be using 'formal' written methods (long multiplication and division) to quickly and accurately solve these problems. These are probably the methods we were all taught at school, and should look like this:

$$\begin{array}{r}
 3974 \\
 \times 43 \\
 \hline
 11922 \\
 158960 \\
 \hline
 170882 \\
 1 \quad 1
 \end{array}$$

1) Multiply 3974 x 3
 2) Find 3974 x 40 - put 0 in the units column and multiply by 4
 3) Finally add these two numbers to find the answer

$$\begin{array}{r}
 1472 \div 32 \\
 \underline{32} \\
 1472 \\
 \underline{96} \\
 192 \\
 \underline{192} \\
 0
 \end{array}$$

Check out the BBC Bitesize website for a step-by-step explanation of this method

How you can help:

- Practice sharing out food together - if we split these sweets, cakes or biscuits between everyone when Nan comes for tea, how many can everyone have? Our fish and chips cost £5.20, how much was that each?
- Dividing-up lengths of ribbon or wood when doing weekend jobs - if I want to make some shelves that are 30cm long, how many can I cut from this length of wood? I need 60cm of ribbon to tie-up each of these gift bags - how much do we need to buy to finish all 8?
- Think about how to spend pocket money - you get £x each week, how much is that per day? How much will you get in a a year? How long will it take to save up for the new game you're after?
- Planning summer holidays - if the campsite costs £35 a night for each tent, how much will it cost for us to stay for a week? Tickets for Alton Towers are £32 for adults and £28 for children - if all 4 of us go, what will that cost?

