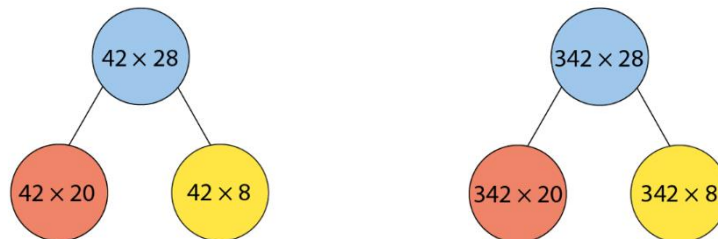




Mathematics learning in Year 6 at **St Alban's CE Primary School**



There are many ways you can help your child in maths. We all use maths at home in everyday activities while shopping, measuring and calculating.

You can talk to your child about things like planning the meals for a week within a budget, estimating costs and amounts needed.

In Year 6, the focus is on a deep understanding of number to ten million, including the composition of each number. We use negative numbers in context and develop our understanding of decimals by identifying the value of each digit in numbers with up to three decimal places.

We will recognise, explore and represent patterns in the counting system and use this to derive unknown facts.

Maths also includes measuring, geometry and statistics.

We will ask children, “Why?”, “Convince me”, “What is the same?” and “What is different?” so that they can share their thinking, work together to solve problems and learn from each other.

We become more fluent in our maths by becoming more flexible, efficient and accurate in our calculations.

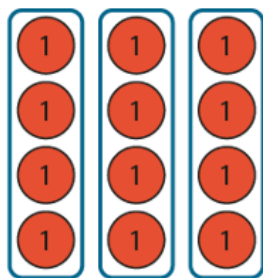
It is important that our number knowledge builds on solid foundations so this year our fluency objectives in Year 6 are

- **counting in multiples**
- **counting forwards and backwards in steps of powers of 10**
- **recalling multiplication and division facts for multiplication tables to 12 x 12**

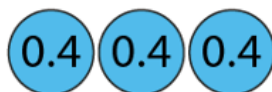
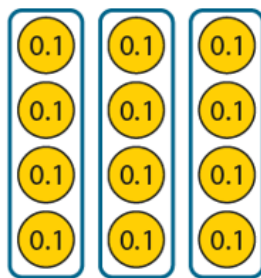
When I know my multiplication and division facts to 12 x 12 it is important that I use them to derive other facts.

If I know 3 x 4 is 12, then I can derive 3 x 0.4 is 1.2 and

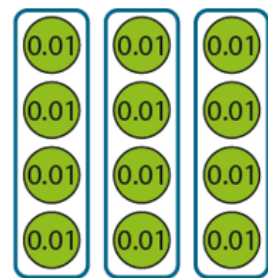
$3 \times 0.04 = 0.12$



$3 \times 4 = 12$



$3 \times 0.4 = 1.2$



$3 \times 0.04 = 0.12$

Useful links

<https://ttrockstars.com/>

<https://whiterosemaths.com/homelearning/year-6/>