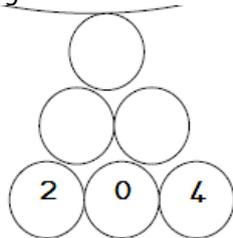


Addition activities

This week's maths will focus around ensuring fluency with addition facts

Activity 1 - Addition pyramids – Add 2 numbers in adjacent circles and write the total in the circle above. Continue to the top of the pyramid. Year 2 children, you may want to add another row onto the pyramid so that as you add, the totals become harder as you get nearer the top. You can also make this harder by starting with larger numbers.



Activity 2 - Efficient calculation methods

- In school, before the lockdown, we were thinking about the best way to calculate. Often we can get to the right answer but it may not be the most efficient method. This week we will focus on a couple of calculation methods that are more efficient than just counting in 1s on your fingers or in your head.

Method 1 – Bridging to the next 10 (Year 1 and Year 2)

This means adding to the next 10 and then on from there e.g. Below we partition (or split) the 5 into 3 and 2 because we want to add from 7 to 10 first and then add the leftovers on from 10.

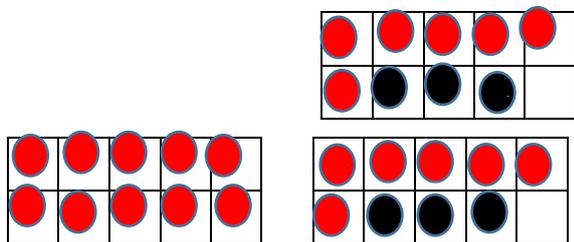
$$\begin{array}{c} \text{e.g. } 7 + 5 = \\ \swarrow \quad \searrow \\ 7 + 3 = 10 + 2 \end{array}$$

Year 1 practice – Bridge only through 10 with the total not more than 20 e.g. $8+4$, $9+5$

Year 2 practice – Bridge through any multiple of 10 e.g. $27+7$, $56+6$, $74+8$

Method 2 – Using small facts to help us with larger facts (Year 1 and Year 2)

e.g. $16 + 3 =$ We know $6 + 3 = 9$ so we are just adding an extra 10



Year 1 practice – Work within 20 e.g. $15+2$, $17+1$, $11+6$

Year 2 practice – Work within 100 e.g. $63+6$, $91+7$, $45+4$

Method 3 – Adding 9 by adding 10 and subtracting 1 (Year 2 only)

This is a much quicker method than counting on in 1s. Simply add 10 and then subtract 1.

e.g. $24 + 9 =$

$$24 + 10 = 34 \text{ (Remember which digit is the 10s and then it's easy to add 10 to a number)}$$

$$34 - 1 = 33 \text{ (Remember which digit is the 1s and then it's easy to subtract 1)}$$

If you are confident with these methods, you might also want to consider using doubles to help you solve calculations e.g. $7+5 = 5+5+10$ $10+2=12$

Once you have tried out each of these methods, ask a grown up to write a mixture of addition calculations and you should decide which strategy would be the best one to use for each and why.