

Maths Challenges

- The maths challenge sheets include the main facts that the children need to recall and use by the **end** of the academic year. These facts are broken down into twelve targets, each given a colour. They are introduced during maths lessons and reinforced regularly but further practise at home is extremely helpful. One target at a time will be stuck in to your child's Home/School book.
- Regular practise is more effective than one longer session a week. The children don't always need to write something down. Practise can be oral.
- There are lots of activities on the School 360 Learning platform that will support these challenges.
- It is important that when children are confident with a set of facts, they continue to practise them and apply them in a practical way. For example, when a child has learned all number pairs to 20; $17 + 3 = 20$, $20 - 17 = 3$, they can use this to solve problems. *"I have 20p. I spend 16p, how much do I have left?"*, *"I have saved 13p. How much more do I need to have 20p?"* etc. The children can discuss these questions and solve them mentally, without always writing something down.
- Regular assessment takes place in school, during maths lessons. When your child is confident with a particular 'colour' on the challenge sheet, their teacher will colour all of the faces, explain their next target and stick this into their Home/ School book.

'Learning maths facts' challenges

😊 Your child can work out these facts using concrete or visual resources; coins, counters, blocks etc.

😊😊 Your child can recall these facts from memory, in order, spotting any patterns.

😊😊😊 Your child can use these facts confidently to solve maths problems.

For example – Maths Challenge – Set Two **Yellow** – **I can double all numbers to 20.**

Q. *Tom and Jane both have 16p. How much do they have altogether?*

Times table (multiplication and Division) challenges

😊 Your child can complete the times table to a teacher without error or long pauses; 1×5 is 5, 2×5 is 10 ...

😊😊 Your child can give the products of numbers multiplied together out of table sequence

e.g. **Q.** *What are four fives?* **Answer.** 'twenty'

😊😊😊 Your child can give multiplication facts when provided with the product only e.g.

Q. 'Fifty Six?'

Answer. 'seven eights/eight sevens'.

They can also answer associated division questions **Q.** '63 divided by 9' **Answer.** '7'