



Foundation (Basic) Facts for Year 3 Students

By the **end** of Year 3, the expectation is that your child would know these foundation facts. They will be learning these in a variety of ways that include games and different strategies they can use. Over the year and through lots of practice, the aim is for your child to know these so they can answer them when they see the equation written down, when they are asked verbally or when they need to solve a problem using these facts. Please note, your child will not be learning the facts in the order listed below, we jumble them up.

Addition

Addition facts to 18. This means any single digit addition facts that have an answer that is no greater than 18. The highlighted/shaded facts are ones your child will be learning. The others are ones they should know already and should continue to practice.

+	1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9	10
2	3	4	5	6	7	8	9	10	11
3	4	5	6	7	8	9	10	11	12
4	5	6	7	8	9	10	11	12	13
5	6	7	8	9	10	11	12	13	14
6	7	8	9	10	11	12	13	14	15
7	8	9	10	11	12	13	14	15	16
8	9	10	11	12	13	14	15	16	17
9	10	11	12	13	14	15	16	17	18

Help your child notice patterns in the facts they are learning:

- the order of the numbers being added does not change the answer. For example: $4 + 8$ and $8 + 4$ both equal 12.
- near doubles – if you know $6 + 6 = 12$ then $6 + 7 = 13$ because 7 is one more than 6
- the facts are a triplet (7, 8 and 15). Talk about the equations they can learn for the triplet and find the patterns. They are $7 + 8 = 15$, $8 + 7 = 15$, $15 - 7 = 8$ and $15 - 8 = 7$.
- adding nine is one less than adding 10. For example: $10 + 6 = 16$, so $9 + 6 = 15$.

Subtraction

Subtraction from 10 should be taken to fluency. This means any single digit subtraction facts where the answer is not less than 1.

Multiplication and Division

No multiplication and division facts are taken to fluency at this level. To prepare your child for multiplication, practice skip counting in twos, fives, threes, and fours.

Next Steps

When your child has fluency with addition facts, ask them a related subtraction facts. For example: if they know $8 + 4 = 12$, connect this to $12 - 8 = 4$ and $12 - 4 = 8$. The shaded facts above are crucial for success in Year 4 and beyond. Resist the temptation to move on – ensure your child knows all the addition and subtraction facts above automatically.