# Foundation (Basic Facts) for Year 5 Students

By the **end** of Year 5, 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 shown below, we jumble them up.

**Addition**

All addition facts to 18 should be learnt by this time in their schooling. It is important to keep practicing recall of these facts.

**Subtraction**

Subtraction from 18. This means any single digit subtraction facts where the answer is no less than 1. The array shows the facts they should be taking to fluency.

| + | 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** |

**Multiplication**

Multiplication facts for the three, four and nine times tables. The highlighted/shaded facts below are the facts they will be working on. The other facts are ones they should keep practicing.

| × | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 |
| 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 60 | 100 |

Help your child learn the triplet for each fact. For example: for the triplet 4, 3, 12, talk about the four equations they can learn. They are: 4 x 3 = 12, 3 x 4 = 12, 12 ÷ 4 = 3 and 12 ÷ 3 = 4.

**Next Steps**

Continue to provide your child with lots of opportunities to use their addition and subtraction facts by playing maths games as they are essential for success in coming years. To assist with multiplication, you could introduce skip counting in sevens and eights. Explore the patterns you find in the skip counting patterns. What do you notice about odd and even numbers?