



Foundation (Basic Facts) for Year 6 Students

By the **end** of Year 6, 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 learn 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

All addition facts to 18 should be learnt by this time in their schooling. Continue to practice these facts by playing foundation (basic) fact games.

Subtraction

Please refer to these on the Year 5 sheet as they have a two-year timeframe (Years 5 and 6) to learn the facts listed for subtraction.

Multiplication

Multiplication facts for the six, seven and eight 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
1	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
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

Help your child learn the triplet for each fact. For example: for the triplet 6, 8, 48, talk about the four equations they can learn. They are: $6 \times 8 = 48$, $8 \times 6 = 48$, $48 \div 6 = 8$ and $48 \div 8 = 6$.

Division

Division of the two and five times tables. The division of the ten times tables are what they learn as part of their place value knowledge but are also key facts for them to know.

Next Steps – Notice Patterns

To be successful at Level Four of the New Zealand Curriculum – in Year 7 and 8 it is important that your child can recall the times table facts in the table above. Explore with your child the patterns found in each of the tables. For example: the even times tables all have even products (answers), all the products in the five times table have either 5 or 0 in the ones digit. What other patterns can you find? Learn the *square* facts pattern – 1, 4, 9, 16, 25, 36, 49, 64, 81, 100. What do you notice?