

What key Maths skills do Year 6 children need to know?

In the new National Curriculum for Maths there is a very clear emphasis on the importance of children knowing their number facts and times tables thoroughly and having instant recall of this information. The expectation outlined in the National Curriculum is that children will 'recall multiplication and division facts for multiplication tables up 12 x 12' by the end of Year 4

We would ask that you spend 10 minutes each day practising your child's key Maths skills with them. This could be walking to school, in the car, at teatime, before bed – it doesn't need to be a sit down, formal time.

Year 6	Examples	Can you child answer these questions?
Recognise equivalence between FDP	$2/5 = 0.4 = 40\%$ $4/5 = 0.8 = 80\%$ $0.16 = 16/100 = 0.16$	What is $2/5$ as a decimal? What is 0.32 as a fraction?
Recognise and recall factors of numbers up to 100 and corresponding multiples of 100	Factors of 45 1 and 45 3 and 15 5 and 9	What are the factors of 68?
To know square numbers to 12 x 12	$1 \times 1 = 1$ $2 \times 2 = 4$ $3 \times 3 = 9$ etc	What is the square number 8? What is the square number of 11? What is the square root of 121?
To recall prime numbers to 100	23 37 59	Is 87 a prime number? Why? Is 51 a prime number? Why?
Use knowledge of place value and tables facts to 12 x 12 to derive related multiplication and division facts involving decimals	$0.8 \times 0.7 = 5.6$ $0.2 \times 0.4 = 0.8$	What is $0.32 \div 0.8$? What is $0.56 \div 0.7$?
Rounding a number up to 3 DP to the nearest specified number	10.326 rounded to the nearest 10 is 10 147.463 rounded to the nearest 10 is 150	What is 542.265 to the nearest 100? What is 542.265 to the nearest 10?