

# What key Maths skills do Year 3 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 3 Expectation	Examples	Can you child answer these questions?
Know by heart all sums and differences of multiples of 10 up to 100	$80 + 30 = 90$ $70 + 80 = 150$ $20 + 90 = 110$  $70 - 20 = 50$ $90 - 60 = 30$ $40 - 30 = 10$	Add 80 and 30, tell me how you did it.  Tell me all the number pairs you know with multiples of 10 which make 90.  What is the difference between 20 and 80?  Look at these multiples of 10... which pairs give a total of 100?  0 10 20 30 40 50 60 70 80 90 100
Know by heart all number bonds that total 100	$63 + 37 = 100$ $41 + 59 = 100$ $17 + 83 = 100$	What must you add to 62p to make £1?  I cut 35 cm off a 1m long piece of string. How much is left?
Know by heart all multiplication facts for 4 up to 4x12	$0 \times 4 = 0$ $1 \times 4 = 4...$  Up to $10 \times 4 = 40$	Which is the number before 16 in the 4x table? What is the answer to $6 \times 4$ ? $9 \times 4$ ?
Know by heart all division facts for 4 up to 48	$40 \div 4 = 10$ $36 \div 4 = 9...$  Down to $0 \div 4 = 0$	What is the answer to $16 \div 4$ ? $36 \div 4$ ?  Which is the missing number: $? \times 4 = 28$ ? How do you know?
Know by heart all multiplication facts for 8 up to 8x12	$0 \times 8 = 0$ $1 \times 8 = 8...$  Up to $10 \times 8 = 80$	Which is the number before 56 in the 8x table? What is the answer to $6 \times 8$ ? $5 \times 8$ ?
Know by heart all division facts for 8 up to 96	$80 \div 8 = 10$ $72 \div 8 = 9...$  Down to $0 \div 8 = 0$	What is the answer to $16 \div 8$ ? $64 \div 8$ ?  Which is the missing number: $? \times 8 = 72$ ? How do you know?
Know by heart all multiplication facts for 3 up to 12x3	$0 \times 3 = 0$ $1 \times 3 = 3...$  Up to $10 \times 3 = 30$	Which is the number before 30 in the 10x table?  What is the answer to $6 \times 3$ ? $8 \times 3$ ?

Know by heart all division facts for 3 up to 36	$30 \div 3 = 10$ $27 \div 3 = 9...$  Down to $0 \div 3 = 0$	What is the answer to $27 \div 3$ ? $15 \div 3$ ?  Which is the missing number: $? \times 3 = 18$ ? How do you know?
Know by heart all multiplication facts for 6 up to $6 \times 12$	$0 \times 6 = 0$ $1 \times 6 = 6...$  Up to $12 \times 6 = 72$	Which is the number before 36 in the $6 \times$ table?  What is the answer to $6 \times 6$ ? $8 \times 6$ ?
Know by heart all division facts for 6 up to 72	$60 \div 6 = 10$ $54 \div 6 = 9...$  Down to $0 \div 6 = 0$	What is the answer to $36 \div 6$ ? $48 \div 6$ ?  Which is the missing number: $? \times 6 = 24$ ? How do you know?
To know by heart doubles of multiples of 5 to 100	Double 15 is 30  Double 35 is 70	What is double 60?  What is double 85?
To know halves of multiples of 10 to 100	Half of 20 is 10  Half of 60 is 30	What is half of 40?  What is half of 90?
To double any 2 digit number to 50	Double 28 is 56  Double 43 is 86	What is double 19?  What is double 54?
To round 3 digit numbers to the nearest 100	356 rounds to 400  824 rounds to 800	What does 555 round to?  What does 743 round to?
To find 100 more and 100 less than a number up to 100	100 less than 762 is 662  100 more than 346 is 446	What is 100 more than 501?  What is 100 less than 907?