

What key Maths skills do Year 3 children need to know?

In the 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	Examples	Can your child answer these questions?
Know by heart all sums and differences of multiples of 10 up to 100.	$60 + 30 = 90$ $70 + 80 = 150$ $20 + 90 = 110$ $70 - 20 = 50$ $90 - 60 = 30$ $40 - 30 = 10$	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 4 x 12.	$0 \times 4 = 0$ $1 \times 4 = 4$ 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.	$40 \div 4 = 10$ $35 \div 4 = 0$ 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 8 x 12.	$0 \times 8 = 0$ $1 \times 8 = 8$ Up to $10 \times 8 = 80$	Which is the number before 56 in the 8x table? What is the answer $6 \times 8 = ?$ $5 \times 8 = ?$



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Know by heart all division facts for 8 up to 96.	$80 \div 8 = 10$ $72 \div 9 = 9$ Down to $0 \div 8 = 0$	What is the answer or $16 \div 8 = ?$ $64 \div 8 = ?$ Which is the missing number: $? \times 8 = 72$? How do you know?
Know by heart all multiplication facts for 3 up to 12×3 .	$0 \times 3 = 0$ $1 \times 3 = 3$ 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 6×12 .	$0 \times 6 = 0$ $1 \times 6 = 6$ Up to $12 \times 6 = 72$	Which is the number before 36 in the 6x 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 number 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?



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