

# What key Maths skills do Year 5 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 5                                                                                               | Examples                                                                                                | Can you child answer these questions?                    |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| To recall quickly table facts to 12 x 12 and use them to multiply by 10 and 100                      | $30 \times 70 = 2100$<br>$40 \times 200 = 8000$                                                         | What is $60 \times 80$ ?<br>What is $90 \times 20$ ?     |
| To recall quickly division facts to 12 x 12 and use them to divide a pair of multiples of 10 and 100 | $240 \div 40 = 60$<br>$3600 \div 60 = 60$                                                               | What is $7200 \div$ by 120?<br>What is $720 \div$ by 80? |
| Double numbers with 1 DP                                                                             | 24.2 doubled is 48.4<br>13.5 doubled is 27                                                              | What is double 96.3?<br>What is double 52.3?             |
| Halve numbers with up to 1 DP                                                                        | Half of 12.4 is 6.2<br>Half of 54.6 is 27.3                                                             | What is half of 24.6?<br>What is half of 67.4?           |
| Identify pairs of factors of all 2-digit whole numbers                                               | 16- factors are 1 x16,<br>2 x 8 and 4 x4                                                                | What are all the factor pairs for 36?                    |
| Recognise decimal / fraction/ percentage equivalence for simple fractions                            | $1/10 = 10\% = 0.10$<br>$1/8 = 12.5\% = 0.125$                                                          | What is $1/5$ as a decimal and a percentage?             |
| Round a 7-digit number to any power of 10                                                            | 3,456,234 rounded to nearest 10 is 3,456,230.<br>Nearest 100 is 3,456,200.<br>Nearest 1000 is 3,456,000 | What is 5,789,562 rounded to the nearest 10,000?         |

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|------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Round any number with up to 2 DP to the nearest whole number     | 27.62 rounds to 28<br>45.21 rounds to 45                                             | What does 26.67 round to?<br>What does 89.36 round to?                                     |
| Recall prime numbers to 19                                       | 1 3 5 7 9 11 13 17 19                                                                | What is a prime number?<br>Is 15 a prime number?<br>What is the next prime number after 7? |
| Multiply and divide a whole number up to 1 DP by 10 100 and 1000 | $2672.6 \div 10 = 267.26$<br>$2672.6 \div 100 = 26.76$<br>$2672.6 \div 1000 = 2.676$ | What is $2456.8 \div 100$ ? $10$ ? $1000$ ?                                                |
| Identify common multiples of whole numbers                       | 60 is a multiple of 3 6 10                                                           | What is 24 a multiple of?<br>What is 42 a multiple of?                                     |