

First, begin the lesson by completing a simulation of the year 4 multiplication test.

<https://mathsframe.co.uk/en/resources/resource/477/Multiplication-Tables-Check>

This link should allow you to access it. You have 25 random times table questions to answer and you are given 6 seconds to answer each one. Try not to use any times tables sheets/resources to help you, we need to be fluent by now!

Lesson:

We will go over two methods we already know to multiply: partitioning and long multiplication.

Partitioning:

$$236 \times 6 =$$

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$$200 \times 6 = 1200 \text{ (we can use the fact that } 2 \times 6 = 12, \text{ so add 2 zeros on the end to make 1200)}$$

$$30 \times 6 = 180 \text{ (we can use the fact that } 3 \times 6 = 18, \text{ so add 1 zero on the end to make 180)}$$

$$6 \times 6 = 36 \text{ (we should just use our knowledge of times tables to work out that one)}$$

Then we need to add our answers together. If we line up our answers into hundreds, tens and units like I have, it's easier to add and we won't be making mistakes by adding units to tens! See how the 0 units, 0 units and 6 units all line up perfectly? **If you add them all up accurately, you should get the answer 1,416.**

Use the partitioning method to find out the answers to:

1. $753 \times 6 =$
2. $628 \times 9 =$
3. $852 \times 3 =$
4. $462 \times 7 =$
5. $538 \times 5 =$

Now write your answers in ascending order.

Long Multiplication:

Use this video for help: It explains the method well. If you don't carry your numbers to the same place as he does, don't worry, do it your way!

<https://www.youtube.com/watch?v=dFhVECegRqw>

Use long multiplication to answer these questions:

1. $488 \times 3 =$
2. $671 \times 5 =$
3. $732 \times 4 =$
4. $5 \times 583 =$
5. $8 \times 567 =$

Now write your answers in descending order:

CHALLENGES:

Joker - Ellie says that $563 \times 4 = 2,225$. Is she correct? Explain how you know.

Queen - Mrs Cox bought 5 lollipops for the 116 children there are in Wistow School. She then rounded that amount up to the nearest hundred so she could also get some for the staff too. How many lollies did Mrs Cox buy?

Ace - Michael argues that 508×3 is impossible to complete because 508 has a 0 in it and you can't multiply a number by 0. How can you help him to work out the answer? Explain the method using either partitioning or long multiplication.

Now it's time for you to practise your maths skills using Mathletics and Timestables.co.uk.
Have fun! Keep learning your times tables.

If you need any help at all or would like to send me pictures of your amazing work, please email myself and Miss Senior. To those of you who received pens last week - I would love to see your handwriting!



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