

## Maths - Monday 11<sup>th</sup> January

LO: To multiply and divide by 10, 100 and 1000

Miss's Shearer's video link [https://leadacademytrust-my.sharepoint.com/:v:/g/personal/clareshearer\\_forestlodgeacademy\\_co\\_uk/ERDfJhs9vaBlpOaL3uqRgVoBSz50DLIDLZDUXMbkzixOfA?e=8ThwMv](https://leadacademytrust-my.sharepoint.com/:v:/g/personal/clareshearer_forestlodgeacademy_co_uk/ERDfJhs9vaBlpOaL3uqRgVoBSz50DLIDLZDUXMbkzixOfA?e=8ThwMv)

Here is a place value chart that you may wish to use or copy down to help you with your questions below. Use the methods in the teaching video to help you.

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

**Hints:** Put the number into a place value grid and see how many places it has to move e.g. 65 → 6.5, all the digits move one place to left right so  $65 \div 10 = 6.5$

Multiplying (x) means the numbers becomes larger so digits move to the left.

Dividing (÷) means the numbers becomes smaller so the digits move to the right.

The number of zeros in the multiplier e.g. x 100 would mean moving the digits 2 places to the left as 100 as two zeros (and is 10 x 10 so you move two columns).

*(You can do a ÷ symbol on a laptop by holding down the 'alt' key and typing the number 246 on the keypad)*

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Questions	Type your answers in here
1) $85 \div \square = 8.5$	What number should go in the missing box?
2) $0.12 \times \square = 12$	
3) $543 \times \square = 54300$	
4) $793 \div \square = 0.793$	
5) $\square \div 10 = 7.4$	
6) $\square \times 100 = 7320$	
7) Which card should complete the calculation?  <div style="display: flex; justify-content: space-around; margin-bottom: 10px;"><span data-bbox="220 1151 376 1249" style="border: 1px solid black; border-radius: 10px; padding: 5px;"><math>\times 10</math></span><span data-bbox="443 1151 600 1249" style="border: 1px solid black; border-radius: 10px; padding: 5px;"><math>\times 100</math></span><span data-bbox="667 1151 823 1249" style="border: 1px solid black; border-radius: 10px; padding: 5px;"><math>\times 1000</math></span></div> $5.3 \square = 5300$	x
8) Which card should complete the calculation?  <div style="display: flex; justify-content: space-around; margin-bottom: 10px;"><span data-bbox="220 1583 376 1682" style="border: 1px solid black; border-radius: 10px; padding: 5px;"><math>\div 10</math></span><span data-bbox="443 1583 600 1682" style="border: 1px solid black; border-radius: 10px; padding: 5px;"><math>\div 100</math></span><span data-bbox="667 1583 823 1682" style="border: 1px solid black; border-radius: 10px; padding: 5px;"><math>\div 1000</math></span></div> $5.3 \square = 0.53$	$\div$
9) By using a number from column A, an operation from B	x $\div$

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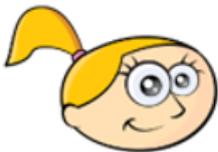
and a number from C, how many ways can you find to make 70?

A	B	C
7	×	1
70		10
700	÷	100
7000		1000

### 10) CHALLENGE

Eva says:

When you divide by 10, 100 or 1,000 you just take away the zeros or move the decimal point.



Do you agree or disagree?  
Explain why.

Try your best to answer as many questions as possible.  
When your assignment is complete, close and then submit it  
back to me (the little button in the top right corner).

I will then mark and feedback to you.

Any questions, ask me in the chat between 9 and 3!

