

Year 6 Maths Home Learning Resources
Term 5, Week 3 – Multiplying and dividing by 10, 100 and 1000

Recap, explore and deepen your learning

Here are some games and activities for you to try. They will help you to practise and explore your understanding of multiplying and dividing by 10, 100 and 1000. Have a look through and choose something you think you will enjoy.

Multiplication game: For two or more players. You will need a 0-9 dice or some digit cards to turn over.

Make this game board on a piece of paper.

0.8	0.04	100	700	110	1.2
0.5	300	800	1200	30	90
60	0.4	1100	10	0.03	1000
0.12	600	0.02	70	500	0.7

The first player creates a one or a two-digit number (they can choose) using the dice or digit cards. They then decide to multiply or divide by 10 or 100. The aim is to create one of the numbers on the board. The next player then does the same.

The winner is the first to get four numbers in a row, horizontally, vertically or diagonally.

You can change the board to include other numbers if you like and make it more complicated by also multiplying or dividing by 1000.

Here are some other games and activities that you can find online:

BBC Bitesize

<https://www.bbc.co.uk/bitesize/topics/z36tyrd/articles/z2fkwxs>

Dividing by 10 and 100 (needs Flash)

http://resources.hwb.wales.gov.uk/VTC/phase4_20030829/Mathematics/Keystage2/Numbers/Tenthsandhundre/Introduction/whiteboard2.htm

Times or divide bingo:

<https://www.topmarks.co.uk/PlayPop.aspx?f=bingotimesordivide>

Who wants to be a millionaire (x or ÷ by 10, 100 or 1000):

<http://www.greatmathsteachingideas.com/2012/02/26/multiplying-and-dividing-by-10-100-and-1000-who-wants-to-be-a-millionaire/>

Multiply the multiples:

<https://nrich.maths.org/10478>

Match the decimals and percentages on a number line:

<http://fluencychallenge.com/play/play-claw.html>