

Year 5: Multiplying and Dividing by 100 and 1000

This term we are exploring multiplication and division. At the end of last term we looked at how we could use our understanding of Place Value to multiply and divide numbers by 10, 100 and 1000. We would like you to continue to practice this skill this term. Remember, you can always use a place value grid to help you.

Need a reminder?

Take a look at this BBC Teach video. This will show you some examples of how to multiply and divide by 10, 100 and 1000. There is also a quiz you can try.

<https://www.bbc.co.uk/bitesize/articles/z7r492p>

Multiplying and Dividing by 10, 100 and 1000

10 000	1000	100	10	1	●	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
					●			

Multiplying

X 10
X 100
X 1000

digits move LEFT 1 space
digits move LEFT 2 spaces
digits move LEFT 3 spaces



Dividing

÷ 10
÷ 100
÷ 1000









digits move RIGHT 1 space
digits move RIGHT 2 spaces
digits move RIGHT 3 spaces



Multiplying and Dividing by 100 and 1000

Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.

Drive the lorries forward two spaces on a place value grid to multiply by 100 and three spaces to multiply them by 1000. Reverse them two spaces to divide by 100 and three spaces to divide them by 1000.

× 1000	× 100			÷ 100	÷ 1000	
		12		18 000		
		157		458 000		
		1425		7600		
		4.5		950		
		0.25		516		