

Tuesday 28/04/2020

Hello everybody! Miss Dattani here, I hope you are all safe and well.

Today, we will be revisiting dividing by powers of 10 (10,100, and 1000).

Your task is differentiated two ways:

-Section A is suited for one star (blue and green)

-Section B is suited for two and three star (yellow, orange and red table)

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 digits move LEFT 1 space
 X 100 digits move LEFT 2 spaces
 X 1000 digits move LEFT 3 spaces



Dividing

÷ 10 digits move RIGHT 1 space
 ÷ 100 digits move RIGHT 2 spaces
 ÷ 1000 digits move RIGHT 3 spaces



© 2012 www.greatmathsteachingideas.com

Remember, draw a place value grid and move the digits to the right accordingly. This shows the digits decreasing in value. Digits cannot be placed in the decimal point column. Place holders need to be in any empty columns. If your ones column is empty after moving the digits, you need to put a place holder in it.

1500 ÷ 100 = 15

TTh	Th	H	T	0	.	1/10	1/100
	1	5	0	0			
			1	5	.	0	0

Section A	Section B
$700 \div 10 =$	$4900 \div 10 =$
$2950 \div 10 =$	$8200 \div 100 =$
$4100 \div 10 =$	$90,000 \div 1000 =$
$6340 \div 100 =$	$27000 \div 1000 =$
$5100 \div 100 =$	$370 \div 100 =$
$3700 \div 100 =$	$4100 \div 1000 =$
$4600 \div 1000 =$	$210 \div 100 =$
$10,000 \div 1000 =$	$652 \div 1000 =$
$15 \div 10 =$	$5 \div 100 =$
$25 \div 10 =$	$0.5 \div 10 =$