Key Instant Recall Facts
YEAR 4 – Summer 1

I can multiply and divide single-digit numbers by 10 and 100

By the end of this half term, children should know the following facts. The aim is for them to recall these facts instantly.

$7 \times 10 = 70$

$10 \times 7 = 70$

$70 \div 7 = 10$

$70 \div 10 = 7$

$30 \times 10 = 300$

$10 \times 30 = 300$

$300 \div 30 = 10$

$300 \div 10 = 30$

$0.8 \times 10 = 8$

$10 \times 0.8 = 8$

$8 \div 0.8 = 10$

$8 \div 10 = 0.8$

$6 \times 100 = 600$

$100 \times 6 = 600$

$600 \div 6 = 100$

$600 \div 100 = 6$

$40 \times 100 = 4000$

$100 \times 40 = 4000$

$4000 \div 40 = 100$

$4000 \div 100 = 40$

$0.2 \times 10 = 2$

$10 \times 0.2 = 2$

$2 \div 0.2 = 10$

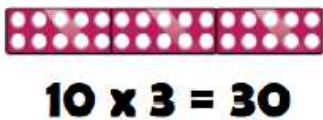$2 \div 10 = 0.2$

Key Vocabulary

What is 5 multiplied by 10?
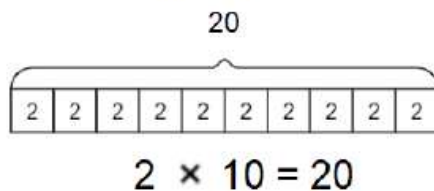
What is 10 times 0.8?

What is 700 divided by 70?

Thousands, hundreds, tens, ones, tenths, hundredths

What can this look like?

Concrete:

10 x 3 = 30

Pictorial:

20

| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

$2 \times 10 = 20$

Abstract:

$8 \times \bigcirc = 800$

$\bigcirc \div 10 = 0.5$

Things to try

It is tempting to tell children that to multiply by ten or one hundred it is just a case of adding zeroes to the end of a number. This way of thinking, however, can cause problems when they are trying to multiply and divide decimal numbers as the rule does not work for these numbers.

Why not use/draw out a place value chart like this one to help.
Remember when multiplying, the digits move to the left.
When dividing, the digits move to the right.

1000	100	10	1	.	$\frac{1}{10}$	$\frac{1}{100}$
				.		
				.		
				.		
				.		
				.		

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