

Multiplying by 10, 100 and 1,000 revision

Varied Fluency 3

The table below shows the number 121. We are going to multiply this by 10. To do this we move each counter one place to the left.

Th	H	T	O
	●	● ●	●

Where will the counters be now?

Th	H	T	O

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Th	H	T	O
	●	● ●	●

$$121 \times 10 = 1210$$

Th	H	T	O
●	● ●	●	

When multiplying by 10, the digits move one place to the left.

Examples:

$$16 \times 10 = 160$$

$$250 \times 10 = 2500$$

$$12.5 \times 10 = 125$$

When multiplying by 100, the digits move two places to the left.

Examples:

$$54 \times 100 = 5,400$$

$$125 \times 100 = 12,500$$

$$34.5 \times 100 = 3,450$$

When multiplying by 1000, the digits move three places to the left.

Examples:

$$12 \times 1000 = 12,000$$

$$568 \times 1000 = 568,000$$

$$13.5 \times 1000 = 13,500$$