

# Fast 5

1.  $900,000 - 90,000 =$

2.  $352.02 + 428.28 =$

3.  $25\% \text{ of } 860 =$

4.  $70,000 - 12,000 =$

5.  $205.92 + 123.12 =$

# Fast 5 Answers

1.  $900,000 - 90,000 = 810,000$

2.  $352.02 + 428.28 = 780.3$

3.  $25\% \text{ of } 860 = 215$

4.  $70,000 - 12,000 = 58,000$

5.  $205.92 + 123.12 = 329.04$

**Can I multiply decimal  
numbers by 10, 100 and  
1,000?**

# Recap

- The decimal point does not move: the numbers move around the decimal point.
- Labelling your place value columns help
- When multiplying, your digits move to the left (your number gets bigger)

# Example 1

$$9.2 \times 10 = 92$$

Hundreds	Tens	Ones	•	Tenths	Hundredths
		9	•	2	



Hundreds	Tens	Ones	•	Tenths	Hundredths
	9	2	•		

When multiplying by 10, we move our digits one place value column to the left.

A tip to remember how many place value columns to move is to look at the number of '0s' in 10, 100 or 1000.

# Example 2

$$35.309 \times 100 = 3530.9$$

This time, we move 2 place value columns to the right because we are multiplying by 100.

Thousands	Hundreds	Tens	Ones	•	Tenths	Hundredths	Thousandths
		<b>3</b>	<b>5</b>	•	<b>3</b>	<b>0</b>	<b>9</b>

Thousands	Hundreds	Tens	Ones	•	Tenths	Hundredths	Thousandths
<b>3</b>	<b>5</b>	<b>3</b>	<b>0</b>	•	<b>9</b>		

Try this question...

$$52.082 \times 100 =$$

Thousands	Hundreds	Tens	Ones	•	Tenths	Hundredths	Thousandths
		5	2	•	0	8	2

How did you do

$$52.082 \times 100 = 5208.2$$

Thousands	Hundreds	Tens	Ones	•	Tenths	Hundredths	Thousandths
5	2	0	8	•	2		



Try this question...

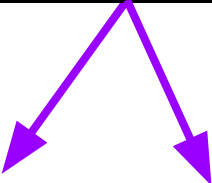
$$2.2 \times 1000 =$$

Thousands	Hundreds	Tens	Ones	•	Tenths	Hundredths	Thousandths
			2	•	2		

# How did you do?

$$2.2 \times 1000 =$$

Did you remember your placeholders?



Thousands	Hundreds	Tens	Ones	.	Tenths	Hundredths	Thousandths
2	2	0	0	•			

Depending on how confident you feel, choose one of the activities below:

**Red:**

1)  $8.3 \times 10$

H	T	O	•	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
		8	•	3		

2)  $1.9 \times 10$

H	T	O	•	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
		1	•	9		

3)  $4.23 \times 10$

H	T	O	•	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
		2	•	2	3	

4)  $12.35 \times 10$

5)  $24.81 \times 100$

6)  $32.057 \times 1000$

**Yellow:**

1)  $12.35 \times 10$

2)  $24.81 \times 100$

3)  $32.057 \times 1000$

4)  $80.207 \times 100$

5)  $54.009 \times 100$

6)  $907.34 \times 1000$

## **Green:**

1)  $80.207 \times 100$

2)  $54.009 \times 100$

3)  $907.34 \times 1000$

4)  $340.28 \times 1000$

5)  $0.091 \times 10$

6)  $110.7 \times 1000$