Fast 5

1. 980,000 - 90,000 =

2. 452.1 + 428. 8 =

3. 25% of 560 =

4. 50,000 - 12,000 =

5. 825.92 + 123.12 =

Fast 5

1. 980,000 - 90,000 = 890,000

2. 452.14 + 428. 8 = 880.94

3. 25% of 560 = 140

4. 50,000 - 12,000 = 62,000

5. 825.92 + 123.12 = 949.04

Can I multiply by 10, 100 and 1,000?

Things to remember when multiplying by 10, 100 and 1,000

- The decimal point does not move, the numbers move around the decimal point.
- Putting in your place value columns can help
- The number of '0's determines how many place columns you need to move your digits
- When multiplying, your digits move to the left (get bigger)

Now try this question...

71 x 10 =

Using a place value grid might help

Ten Thousands	Thousands	Hundreds	Tens	Units

How did you do?

71 x 10 = 710

Ten Thousands	Thousands	Hundreds	Tens	Units
			7	1

10 has one 0,
so we are moving
1 place over

We are multiplying, so our digits will be moving to the left and will be getting bigger

Ten Thousands	Thousands	Hundreds	Tens	Units
		7	1	0

Try this question…

280 x 100 =

Using a place value grid might help

Ten Thousands	Thousands	Hundreds	Tens	Units

How did you do?

280 x 100 = 28000

Ten Thousands	Thousands	Hundreds	Tens	Units
		2	8	0

100 has 2 0's, so we are moving 2 places

We are multiplying, so our digits will be moving to the left and will be getting bigger

Ten Thousands	Thousands	Hundreds	Tens	Units
2	8	0	0	0

Now try this question...

172.54 x 1000 =

Using a place value grid might help

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Units	•	Tenths	Hundredths

How did you do?   172.54 x 1000 = 172 540

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Units	●	Tenths	Hundredths
			1	7	2	●	5	4

1000 has 3 0's, so we are moving 3 places over

We are multiplying, so our digits will be moving to the left and will be getting bigger

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Units	●	Tenths	Hundredths
1	7	2	5	4	0	●	0	0

Depending on how confident you feel, now try one of the activities below…

<u>Red:</u>

1) 71 X 10 =

2)   694 X 100 =

3)   44 X 1000 =

4)   910 X 10 =

5)   32.9 X 10 =

6)   51.67 X 1000 =

7)   71.03 X 10 =

Yellow:

1)   32.9 X 10 =

2)   51.67 X 1000 =

3)   71.03 X 10 =

4)   80.29 X 100 =

5)   47.603 X 1000 =

6)   46.989 X 1000 =

7)   800.73 X 100 =

Green:

1) 47.603 X 1000 =

2) 46.989 X 1000 =

3) 800.073 X 100 =

4) 902.043 X 100 =

5) 141.002 X 1000 =

6) 0.02 x 1000=

7) 0.008 x 100=