

Success in Seven Answers – Thursday, Week 2

Week 2 – Day 4
0 x 401 =
4.7 x 8 =
20 ÷ 2.5 =
4.006 x 100 =
5669 x 57 =
3/4 x 1/6 =
32,013 – 8,647 =

1) $0 \times 401 = 0$

If you have used a method for this one, go and do 20 press ups now!!!

2) $4.7 \times 8 = 37.6$

The best way to approach this question is to take the decimal point out and solve it as $47 \times 8 =$. Then you can put your decimal point back into the question and your arrow eyebrows (☺) showing the answer needs to be 10x smaller.

	4	7
x		8
3	7	6
	8	

	4	7
x		8
3	7	6
	8	

3) $20 \div 2.5 = 8$

We know that $4 \times 2.5 = 10$, so we can just double the 4 lots!

4) $4.006 \times 100 = 400.6$

You should be able to solve this question mentally. Which number is **100x bigger** than 4.006? The digits will move **two places** to the left in the place value chart. Remember – all of the zeros are important for holding their places.

Thousands	Hundreds	Tens	Units	Decimal Point	Tenths	Hundredths	Thousandths	Ten-Thousandths	Hundred thousandths
			4	.	0	0	6		
	4	0	0	.	6				
				.					

5) $5669 \times 57 = 323,133$

You need the long method of multiplication to answer this one! Check your workings against this one...

		5	6	6	9
	x			5	7
	3	9	6	8	3
2	8	⁴ 3	⁴ 4	⁵ 0	
3	² 2	³ 3	⁴ 1	3	3
	+	+	+	+	

6) $3/4 \times 1/6 = 3/24 = 1/8$

The easiest way to solve this question is to use the procedure of multiplying the numerators together to get $3 \times 1 = 3$ and then multiplying the denominators together to get $4 \times 6 = 24$. We then put the answers into a fraction and get $3/24$. Both 3 and 24 can be divided by 3, so we can simplify the fraction to $1/8$.

7) $31,013 - 8,647 = 22,366$

Another one with lots of exchanging! Check your workings against this one carefully because there is a tricky exchange in the middle:

	23	¹⁰ 1	0 ⁹	¹⁰ 1	13
-		8	6	4	7
	2	2	3	6	6