Success in Seven Answers – Tuesday, Week 3

Week 3 – Day 2
_____ − 54 = 287
2015 ÷ 31 =
600 ÷ 20 =
2/3 ÷ 4 =
= (4 + 5) x 9
7004 ÷ 100 =
15% x 3500 =

1) 341 − 54 = 287

We need to use the inverse in order to solve this one. We know something subtract 54 makes 287, so the answer must be bigger than 287. Therefore, we need to do 287 + 54 = 341. Then we can check our answer by doing 341 − 54 ☺

2) 2015 ÷ 31 = 65

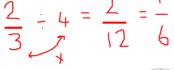Long method of division needed and your known facts for 31x table. Check your calculating against this one:

3) 600 ÷ 20 = 30

Use your known fact of 6 ÷ 2 = 3. You can also ask yourself – how many 20's in 600. Alternatively, use other facts to help you e.g. you know that 5 lots of 20 make 100. ☺

4) $^2/_3 ÷ 4 = ^2/_{12} = 1/6$

Here, you are being asked to share two thirds between 4 people. Did you remember the procedure? We actually multiply the denominator with the whole number and keep the numerator the same. 2 and 12 are both in the 2x table so the fraction can be simplified to 1/6.

5) 81 = (4 + 5) x 9

BIDMAS/BODMAS which means we need to solve the question in brackets first and then multiply the answer by 9. Therefore, 4 + 5 = 9 and then 9 x 9 = 81.

6) 7004 ÷ 100 = 70.04

7004 is becoming one hundred times smaller. The digits will move two places to the right.
This should have been answered using mental methods only.

Thousands	Hundreds	Tens	Units	Decimal Point	Tenths	Hundredths	Thousandths	Ten-Thousandths	Hundred thousandths
7	0	0	4	.					
		7	0	.	0	4			
				.					

7) 15% x 3500 = 525

Find 10% first by doing 3500 ÷ 10 = 350 and then halve the answer to get 5%:
350 ÷ 2 = 175
To get the final answer, we add the 10% answer and the 5% answer together:
350 + 175 = 525