

Success in Seven Answers – Wednesday, Week 3

Week 3 – Day 3

$$\underline{\quad\quad} + 0.7 + 6 = 6.78$$

$$2077 \div 31 =$$

$$= 400 \times 50$$

$$7/8 \times 8 =$$

$$= 12 + 3 \times 2$$

$$= 7 \div 100$$

$$90\% \times 3500 =$$

1) $0.08 + 0.7 + 6 = 6.78$

We know that something plus 0.7 and 6 is 6.78. The place value chart can help. What do we need in order to make 6.78?

Thousands	Hundreds	Tens	Units	Decimal Point	Tenths	Hundredths	Thousandths	Ten-Thousandths	Hundred thousandths
			6	.	7	8			
				.					
			6	.					
		+	0	.	7				
		+	0	.	0	8			
			<u>6</u>	.	<u>7</u>	<u>8</u>			

2) $2077 \div 31 = 67$

Are you getting good at these ones now?

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

			0	0	6	7							
3	1	2	1	0	7	7		1	3	1			
		-	1	8	6				2	6	2		
			0	2	1	7			3	9	3		
		-		2	1	7			4	1	2	4	
						0			5	1	5	5	
									6	1	8	6	
									7	2	1	7	

3) $400 \times 50 = 20,000$

Use your known fact of $4 \times 5 = 20$.

400 is one hundred times bigger than 4.

50 is ten times bigger than 5.

$100 \times 10 = 1,000$. This means our answer must be one thousand times bigger:

$$20 \times 1000 = 20,000. \text{ 😊}$$

4) $7/8 \times 8 = 56/8 = 7$

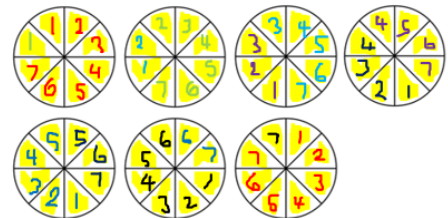
Here you are being asked for 8 lots of $7/8$.

Did you remember the procedure?

56 and 8 are both divisible by 7. $7/1 = 7$

Remember – it's okay to use visuals if you need them 😊.

$$\frac{7}{8} \times 8 = \frac{56}{8} = \frac{7}{1} = 7$$



5) $12 + 3 \times 2 = 18$

BIDMAS/BODMAS which means we need to solve the question in the correct order. Multiplication is higher on the scale than addition. Therefore, we need to do 3×2 first and add the answer to 12

i.e. $3 \times 2 = 6$ $6 + 12 = 18$

6) $7 \div 100 = 0.07$

7 is becoming one hundred times smaller. The digit 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	7			

7) $90\% \times 3500 = 3,150$

Find 10% first by doing $3500 \div 10 = 350$ and then do one of two things:

1. $100\% - 10\% = 90\% = 3500 - 350 = 3,150$

2. $10\% \times 9 = 90\% = 350 \times 9 = 3,150$