

Week 6 – Day 5

$$3^2 \times 2 - 15 =$$

$$\frac{1}{2} \times 3500 =$$

$$800 \times 99\% =$$

$$70 \times 30 =$$

$$1 \frac{3}{9} - \frac{1}{4} =$$

$$0.5 \times 35$$

$$10 - 7.3$$

Friday's Success in Seven Answers

1. $3^2 \times 2 - 15 = 9 \times 2 - 15 = 18 - 15 = 3$

(Remember BODMAS and $3^2 = 3 \times 3$ and multiplying happens before subtraction)

2. $\frac{1}{2} \times 3500 = 1750$

(Remember x sign can be used as 'of' and to find a half of we divide by 2. So, half of 3000 is 1,500 and half of

500 is 250 so when you put them back together you get 1750)

3. $800 \times 99\% = 99\%$ of 800

(Multiplication values can be switched)

$$99\% \text{ of } 100 = 99$$

So 99% of 800 = **792** (because 8 groups of 99 is 792)

4. $70 \times 30 = 7 \times 3 \times 10 \times 10 = 21 \times 10 \times 10 = 21 \times 100 = 2100$

(Remember to digit shift two columns to the left to multiply by 100)

5. $1 \frac{3}{9} - \frac{1}{4} = 1 \frac{3}{36}$

(Let's start by converting the mixed number into an improper fraction: $\frac{12}{9}$ Next, we have to change ninths and quarters into fractions with a common denominator – this could be $9 \times 4 = 36$. So, $\frac{12}{9} = \frac{48}{36}$ and $\frac{1}{4} = \frac{9}{36}$ that means $\frac{48}{36} - \frac{9}{36} = \frac{39}{36} = 1 \frac{3}{36}$)

6. 0.5×35 (Remember 0.5 is worth a half and x can be read as 'of')

So $0.5 \times 35 = \text{half of } 35 = \text{half of } 30 + \text{half of } 5 = 15 + 2.5 = 17.5$

7. $10 - 7.3 = 2.7$