Week 6 – Day 4
$3^2 + 18 \div 2 =$
¾ x 1000 =
500 x 99% =
50 x 400 =
1 1/18 – 1/6 =
0.5 x 24 =
10 – 6.2 =

Thursday's Success in Seven Answers

1. $3^2 + 18 \div 2 = 9 + 9 =$ 18
    (Remember BODMAS and $3^2 = 3$ x 3)

2. 3/4 x 1000 = (1000 ÷4) x 3 = 250 x 3= 750
    (Remember x sign can be used as 'of' and to find a quarter we divide by four. So, ¾ will be three times as great)

3. 500 x 99% = 99% of 500

   (Multiplication values can be switched)

   99% of 100 = 99

   So   99% of 500 = 495 (because 5 groups of 99 is 495)

4. 50 x 400 = 5 x 4 x 10 x 100 = 20 x 10 x100 = 20 x 1000 = 20,000
(Remember to digit shift two columns to the left to multiply by 100)

5. **1** 1/18 – 1/6

(We know 1/18 is smaller than 1/6 so to solve this we have to convert **1** 1/18 into an improper fraction first, which is 19/18.)

19/18 – 1/6 (Now convert both these fractions to eighteenths)

19/18 – 3/18 = 16/18 = 8/9

6. 0.5 x 24 (Remember 0.5 is worth a half and x can be read as 'of')

   a. So 0.5 x 24 = half of 24 = 12

7.10 – 6.2 = 3.8