(Week 2 day 3)

1. Numbers (integers, fraction, decimals and percentage)

4/5 of 80 =	4/5 of 85 =	4/5 of 90 =	4/5 of 95 =	3/4 of 92 =
7.45 – 1.35 =	72.4 - 12.5 =	3.05 + 26.3 =	23.4 + 7.44 =	6.50 – 3.51 =
- 8 + 5 =	7 + - 6 =	1 + (-18) =	-7 + (-3) =	-6 - (-17) =
10% of 50 =	20% of 20 =	$7\frac{1}{6}-2\frac{2}{5}=$	$7\frac{1}{6}+2\frac{2}{5}=$	$5\frac{2}{7}-3\frac{3}{5}=$
6.52 ÷ 4 =	80.4 ÷ 6 =	7.5 ÷ 5 =	13.2 × 4.3=	12.8 × 3.5 =

2 . If a = - 3 b = - 4 and c = -1

c^2 =	b^3 =	a^2+b^2 =	$(a+b)^2$ =
b^3+c^3 =	$(b+c)^3$ =	$(2a)^2$ =	$2a^2$ =

3. Equations (multi-steps)

9x – 4x = 10	8x – 20x + - 15x + -20 = 7	5x – 4x = 12	-(m -2) – 3 = -13
-3 (x + 5) = 3	- x + - 4x = 15	-9x - - 13x = 16	4 (x + 16) = 20

4. Inequalities

3 x > 15	4 x ≤ 16	5 y ≥ 25	3 y ≤ 9
$9 > \frac{x}{2}$	$\frac{x}{4} < 6$	$\frac{x}{5} > 7$	$\frac{x}{3} > 3$

$10 > -5x$	$-5 > -5x$	$x - 7 < -2$	$x + 9 \geq 8$

5. What is the smallest prime number?

   List all the prime numbers between 20 to 50.

6. The length of a rectangle is 3 times longer that the width, the perimeter is 56cm, what are the dimensions of this rectangle?

7. a. Which decimal multiplier can be used to increase £150 by 25%

   b. Increase £150 by 25%

   c. Which decimal multiplier can be used to decrease 90kg by 5%?

   d. Decrease 90kg by 5%

8. Jim puts £850 into a savings account offering 6% interest per year. What is the balance at the end of the third year?