Year 6 Maths June 10th

To learn how to use negative numbers.

1) Use your number line to help you answer the following:

a) 4 – 7	b) 3 – 10	c) 4 - 5
d) -2 – 5	e) -4 + 8	f) -2 – 7
g) -4 – 4	h) – 5 + 3	i) -4 – 2
j) -6 + 2	k) -6 – 2	l) -5 - 5

2) Use your number line to help you answer the following:

a) -4 + 2	b) -4 – 6	c) -5 – 2
d) -5 + -1	e) 5 + -2	f) 6 + -3
g) 4 - -2	h) 3 - -4	i) -2 + -3
j) -2 + -5	k) -3 - -6	l) -4 - -2

- -5 + 8 =
- 12 – 15 =
- 4 – 7 =
- -3 + 7 =

- -4 – 5 =
- -7 + 2 =
- -4 – 4 =
- -7 + 3 =

- 4 + -2 =
- 5 - -3 =
- -4 + -3 =
- -5 - -2 =

- -5 + 8 =
- 12 – 15 =
- 4 – 7 =
- -3 + 7 =

- -4 – 5 =
- -7 + 2 =
- -4 – 4 =
- -7 + 3 =

- 4 + -2 =
- 5 - -3 =
- -4 + -3 =
- -5 - -2 =

- -5 + 8 =
- 12 – 15 =
- 4 – 7 =
- -3 + 7 =

- -4 – 5 =
- -7 + 2 =
- -4 – 4 =
- -7 + 3 =

- 4 + -2 =
- 5 - -3 =
- -4 + -3 =
- -5 - -2 =

- -5 + 8 =
- 12 – 15 =
- 4 – 7 =
- -3 + 7 =

- -4 – 5 =
- -7 + 2 =
- -4 – 4 =
- -7 + 3 =

- 4 + -2 =
- 5 - -3 =
- -4 + -3 =
- -5 - -2 =

Copy and complete this addition table:

+	−5	−3	−1	0	1	3
−4						
−2						
2						

Write down the next 3 terms in each of these sequences:

(a) 5, 4, 3, 2, 1, ...

(b) 6, 4, 2, 0, −2, ...

(c) 20, 15, 10, 5, 0, ...

(d) 16, 15, 13, 10, 6, ...

(e) −10, −8, −6, −4, −2, ...

(f) −30, −27, −24, −21, −18, ...

Copy and complete the following calculations:

(a) $(-3)+(-3)+(-3)+(-3) = 4 \times \ldots\ldots$

$= \ldots\ldots$

(b) $(-6)+(-6)+(-6)+(-6)+(-6) = \ldots\ldots \times (-6)$

$= \ldots\ldots$

(c) $(-7)+(-7)+(-7) = \ldots\ldots \times \ldots\ldots$

$= \ldots\ldots$

(a) Use the fact that $6 \times 4 = 24$ to calculate $24 \div 6$.

(b) What is the value of $(-6) \times 2$? Use this fact to deduce the values of:

(i) $(-12) \div (-6)$

(ii) $(-12) \div 2$

(c) What is the value of $(-2) \times 8$? Use this fact to deduce the values of:

(i) $(-16) \div (-2)$

(ii) $(-16) \div 8$

(iii) $(-16) \div \left(-\frac{1}{2}\right)$