

Write down an equation of the line that is parallel to;

- (a) $y = 4x + 2$
- (b) $y = 3x + 9$
- (c) $y = 9 - 2x$

Convert the following into standard form;

- (a) 75000
- (b) 11.5
- (c) 1.2

Calculate the interquartile range from the stem and leaf diagram below;

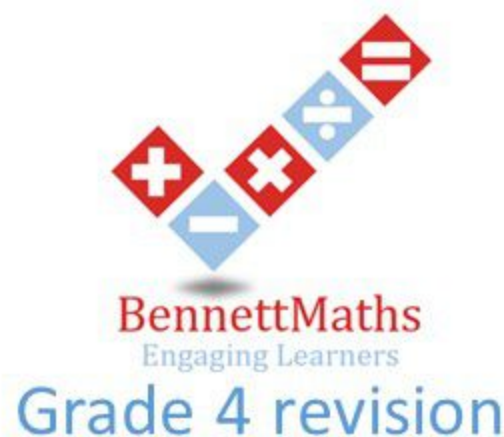
Stem	Leaf
8	0 0 0 4
9	3 5 5 6 8
10	2 3 6
11	0 5

Find the HCF of;

- (a) 36 and 72
- (b) 32 and 40
- (c) 75 and 150

Find the LCM of;

- (a) 5 and 8
- (b) 12 and 18
- (c) 30 and 50



Factorise the following;

- (a) $3x + 12$
- (b) $12y + 42$
- (c) $x^2 + 3x$

Calculate the probability of rolling the following on a fair 12 sided dice

- (a) A square number
- (b) A prime number
- (c) A number greater than 6

Convert;

- (a) 12 cm^2 into mm^2
- (b) 35 mm^2 into cm^2
- (c) 4.2 m^2 into cm^2

Calculate the nth term for each of the sequences below;

- (a) 5, 8, 11, 14
- (b) 9, 17, 25, 33
- (c) 17, 13, 9, 5