

SIMPLIFYING ALGEBRIC EXPRESSIONS

Lv-I Multiplying a single positive integer over a bracket

$$3(a+6)$$

$$4(a - 3)$$

$$2(6c + 4)$$

$$4(7d + 5)$$

$$7(4e + 3)$$

$$-5(2f - 9)$$

$$2(3g - 8)$$

$$-10(9h - 9)$$

$$12(12j - 9)$$

$$4(10k - 11)$$

BONUS PROBLEM !!!!

$$9(y - 2) + 4y + 3$$

Lv- 2 Collecting like terms when 2 terms are repeated.

(Simplify by removing the brackets)

$$(2a - 2) + (4a + 5)$$

$$(5b + 6) + (2b - 4)$$

$$(6c + 2) - (6c + 4)$$

$$(9d - 6) - (7d - 2)$$

$$(11e + 8) - (3e + 5)$$

$$(6f + 9) - (4f - 4)$$

$$(10i + 18) - (2i + 11)$$

$$(15m + 12) - (8m - 10)$$

$$(6k + 8) - (4k + 4)$$

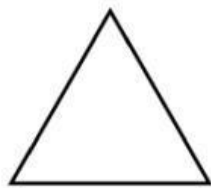
$$(14j - 12) - (6j - 8)$$

BONUS PROBLEM – I

$$5(2x - 3) - 3(x + 4)$$

BONUS PROBLEM – II

Here is an equilateral triangle with side $(2x+30)$ cm. The perimeter is

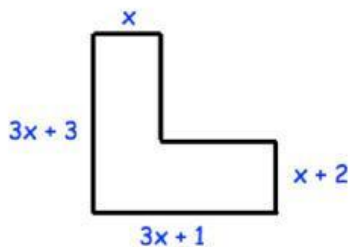


$$2x + 30$$

_____ cm

BONUS PROBLEM – III

Here is L shape , The perimeter of the following shape is :



_____ cm

BONUS PROBLEM – IV

Below is a parallelogram and an isosceles triangle. Which shape has the greatest perimeter ?

