L31 : Adding Integers

Same sign : add and keep the sign

$(+4)+(+7)=(+11)$

$(-5)+(-3)=(-8)$

different signs : subtract absolute values, keep sign of larger value

$4+(-2)=2$

$4-2=2$

$-7+5=-2$

$7-5=2$

$8+(-12)=-4$

$12-8=4$

$$-5 + 4 + (-7)$$

$$-5 + (-7) + 4$$

$$-12 + 4 = -8$$

$$12 - 4 = 8$$

$$a + (-a) = 0$$

L31 : Algebraic Terms

expression that includes a positive or negative number and may include variables

$3y, -7, 1ab, 1c^2, -1q$

like term: must have exact same variable part

→ can only combine like terms

$3x$

3 → numerical coefficient

x → variable

$-5ab$ $4ba$

like terms

$-5ab^2$ $4ab^0$

unlike terms

$4ab + 2bc + 3ab + (-2bc)$

$7ab + 0bc$

$7ab$

$3x + 2 - x + 3$

$3x - 1x + 2 + 3$

$2x + 5$

Remember, when combining like terms you only combine the coefficients...

$4x^2 + 2x - 3 + 7x + (-5x^2)$

$4x^2 + (-5x^2) + 2x + 7x - 3$

$-x^2 + 9x - 3$

find perimeter

$3 + 3 + 2x + 2x$

$4x + 6$

L31

Practice

Set a-d, h-n

#2, 6-10, 12, 20, 21, 26, 29