

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

BLOCK: \_\_\_\_\_

## Addition & Subtraction of Integers

### Lesson 20

- In many mathematical problems and question, you may be required to add and/or subtract more than two integers.
- To do this...
  - FIRST, **change** the question so that all the operations are **addition**

$$(+2) + (-3) + (-5) - (+9) - (-8) \quad \text{becomes} \quad (+2) + (-3) + (-5) + (-9) + (+8)$$

- NEXT, **combine** all the positive integers into one group and all the negative integers into another group

$$[(+2) + (+8)] + [(-3) + (-5) + (-9)]$$

- THEN, solve according to the rules learned before

$$(+10) + (-17) = \boxed{-7}$$

Lets try it!

**Question 1:**

$$(-7) + (-6) - (+5) =$$

$$(-7) + (-6) + (-5) = \boxed{-18}$$

**Question 2:**

$$(+5) - (+3) - (+2) + (-1) =$$

$$(+5) + (-3) + (-2) + (-1) =$$

$$(+5) + [(-3) + (-2) + (-1)] =$$

$$(+5) + (-6) = \boxed{-1}$$