Math 7 **Unit 2: Integers Test REVIEW SHEET**

September 2014

Let one shaded tile represent +1 and one unshaded tile represent -1.

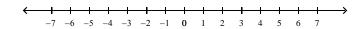
- You have 15 unshaded tiles and 7 shaded tiles. What additional tiles do you need to model +2? 1)
- Model (+5) + (-7) with tiles. 2)
- 3) What **<u>sum</u>** is modeled by 20 positive tiles and 11 negative tiles?
- 4). Find the sum.

$$(-12) + (-7)$$

5). Add.

$$(+17) + (-3)$$

6) . Model the addition equation (-4) + (+7) modeled by the number line.



- Sam owns a small business. He made a profit of \$18 on Saturday and lost \$15 on Sunday. Find the total profit or 7) loss for the weekend.
- 8). Model with tiles a) (+8) (+3)

b) (-4) - (+6)

- 9) .Subtract.
 - (-15) (+7)a)
- b) (-14) (+3)
- c) (+4) (-2) d) (+17) (-15)
- 10) .Bryan gets on an elevator at the 28th floor. The elevator goes up 11 floors then down 6 floors. At what floor does it finally stop?
- 11) .Rewrite using addition.
 - a) (+17) (+6)
- b) (-2) (-3)
- 12) Evaluate. (Use rules)
 - a) (-15) (+9) (-2)
- b) (+21) + (-2) (+5)

More Practice

1. **Using tiles** Add the following using TILES:

a.
$$(+5) + (+9) =$$

b)
$$(-8) + (-2) =$$

2. **Using Tiles** SUBTRACT the following:

a.
$$(+10) - (-4) =$$

a.
$$(+10) - (-4) =$$
 b) $(-7) - (-2) =$ c) $(+2) - (+5) =$

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

3. Use addition rule to add the following: (Do not have to show work)

a.
$$(+14) + (-2) =$$

b)
$$(-15) + (-10) =$$

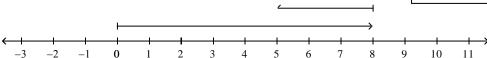
4. <u>Use the SUBTRACTION RULE</u> and evaluate the following: (Show the rule under the subtraction question).

a.
$$(+17) - (-14) =$$

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

6. Write the addition equation modeled by the number line.





7. Use a number line to add.

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



8. Use a number line to add.



9. Copy and complete.

$$(-5) + \Box = (-1)$$
 What integer goes in the \square ?

10. Write the opposite of each integer.

11. Is each statement always true, sometimes true, or never true?

Provide examples to support your answers.

a) The sum of a negative integer and a positive integer is negative.

Example) _____