Name: $\qquad$

## Math 7

Unit 2: Integers Test REVIEW SHEET
Let one shaded tile represent +1 and one unshaded tile represent -1 .

1) You have 15 unshaded tiles and 7 shaded tiles. What additional tiles do you need to model +2 ?
2) Model $(+5)+(-7)$ with tiles.
3) What sum 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.

7) Sam owns a small business. He made a profit of $\$ 18$ on Saturday and lost $\$ 15$ on Sunday. Find the total profit or loss for the weekend.
8).Model with tiles
a) $(+8)-(+3)$
b) $(-4)-(+6)$
8) .Subtract.
a) $(-15)-(+7)$
b) $(-14)-(+3)$
c) $(+4)-(-2)$
d) $(+17)-(-15)$
10). Bryan gets on an elevator at the $28^{\text {th }}$ 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. $(+5)+(+9)=$ $\qquad$ b) $(-8)+(-2)=$
c) $(-7)+(+4)=$
2. Using Tiles SUBTRACT the following:
a. $(+10)-(-4)=$ $\qquad$ b) $(-7)-(-2)=$
c) $(+2)-(+5)=$ $\qquad$
3.Use addition rule to add the following: (Do not have to show work)
a. $(+14)+(-2)=$ $\qquad$ b) $(-15)+(-10)=$ $\qquad$
3. Use the SUBTRACTION RULE and evaluate the following: (Show the rule under the subtraction question).
a. $(+17)-(-14)=$ $\qquad$
b) $(-8)-(+3)=$
4. Write the addition equation modeled by the number line.

Answer:

7. Use a number line to add.
$(+2)+(-5)=$ $\qquad$

8. Use a number line to add.
$(-2)+(+7)=$ $\qquad$

9. Copy and complete.
$(-5)+\square=(-1) \quad$ What integer goes in the $\qquad$
10. Write the opposite of each integer.
a) +10
b) -12
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. $\qquad$
Example) $\qquad$
$\qquad$

