Name: _____

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)

9)   .Subtract.
            a) $(−15) − (+7)$ 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)= ____   c) (-7) + (+4) =_____

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

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

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

    a. (+14) + (-2) = _____   b) (-15) + (-10) = _____

4. **Use the SUBTRACTION RULE** 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.

Answer:

7. Use a number line to add.

(+2) + (–5) = _____

8. Use a number line to add.

(-2) + (+7) = _____
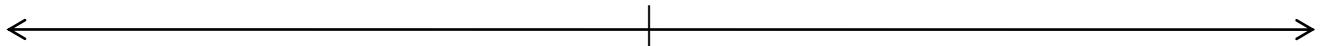
9. Copy and complete.
   (-5) + □ = (–1)   What integer goes in the ☐ ?

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. _____

       Example) _____

               _____