MATH 7

Number line

Chips

Number line
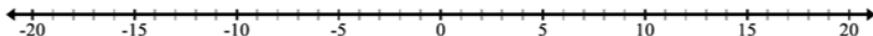
Chips

Get rid of Double Signs!

$$7 + (-3)$$

$$-5 + (-4)$$

Try some...

$$-5 - 8 =$$

$$-10 + (-8) =$$

$$2 - 12 =$$

$$-3 - (-8) =$$

SUMMARY:

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Model the following on the number line. Circle your solution.

1. $-12 - 4$

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 ←+++++++++++++++++++++++++++++++++++++++++++→
   -20      -15      -10       -5       0       5       10      15      20
```

2. $6 - 9$

```
 ←+++++++++++++++++++++++++++++++++++++++++++→
   -20      -15      -10       -5       0       5       10      15      20
```

3. $15 - 12$

```
 ←+++++++++++++++++++++++++++++++++++++++++++→
   -20      -15      -10       -5       0       5       10      15      20
```

4. $10 - 12 + 3$

```
 ←+++++++++++++++++++++++++++++++++++++++++++→
   -20      -15      -10       -5       0       5       10      15      20
```
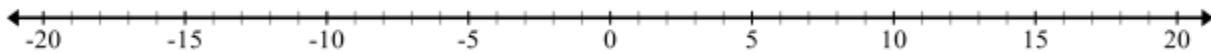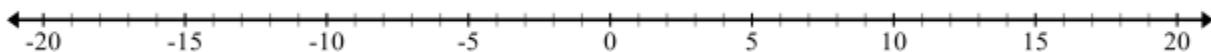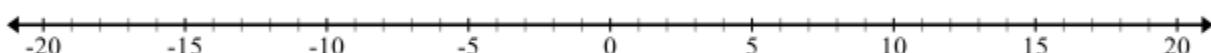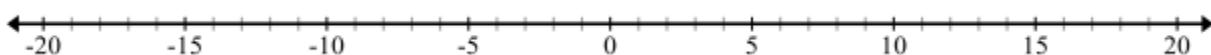
Write an equation to represent the following.

5.

| + | + | + |

| - | - | - | - | - |
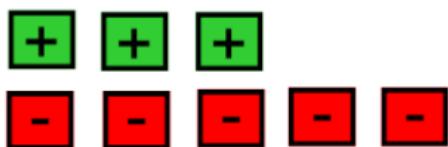
6.

| + | + | + | + | + | + |

| - | - |

7.

| + | + | + | + |

| - | - | - | - | - |
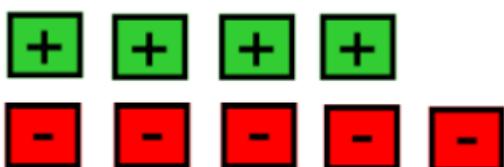
8. Rewrite the following expressions so that there is only one operation. Then perform that operation.

| a. $12 + (-5)$ | b. $7 + (-3)$ | c. $-6 - (-1)$ |
| d. $-3 + (-6)$ | e. $16 - (-3)$ | f. $-9 + (-2)$ |

9. Perform the indicated operation.

a. $12 - 13$	b. $10 + (-3)$	c. $-6 - 5$
d. $-3 + 8$	e. $-11 + (-4)$	f. $-4 - (-6)$
g. $-12 - 8$	h. $5 + (-5)$	i. $-8 + 2 - 4$
j. $8 - (-7)$	k. $-10 + 6$	l. $9 + 2 + (-5)$
m. $15 + (-8)$	n. $15 - 21$	o. $-9 - 15$

1. Model on the number line. Circle your answer.

$$2 - 6$$

2. Perform the indicated operation.

$$-8 + (-3)$$

```
<----+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+---->
   -10 -9 -8 -7 -6 -5 -4 -3 -2 -1  0  1  2  3  4  5  6  7  8  9  10
```
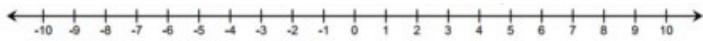
3. Decide whether the following expressions are equal. Support your answer!

A) $4 - 12 = 12 + (-4)$

B) $3 - 10 = 10 - 3$

C) $-5 - 2 = -2 - 5$

4. Fill in the question mark with an integer to make following expressions equal. Support your answer!

A) $-3 - 9 = 6 + (?)$

B) $3 + (-9) = ? - 3$

C) $5 + (-?) = 6 - 10$

EXIT TICKET –

Which expressions are equivalent to $6 - 3 + (-5)$?

Select **ALL** correct answers!

○ $7 + (-5)$

○ $-5 + 7$

○ $5 + (-7)$

○ $-3 + (-1)$

○ $7 - (-5)$

○ $-3 - (-1)$