

6.2 Subtracting Integers Using Models

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Follow along with the teacher's presentation to complete the following examples.

Subtracting Integers Using Counters

$$(+4) - (+3)$$

$$(-4) - (-3)$$

$$(+4) - (-3)$$

$$(-6) - (+4)$$

$$(-3) - (-5)$$

Subtracting Integers Using Number Lines

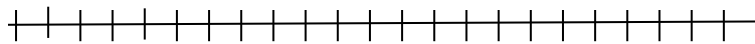
When subtracting integers using a number line, it is important to follow these steps...

1. Mark on a _____ the number in the _____ position. e.g. $(+3) - (-2)$

2. Next, mark on a number line the _____ in the _____ position.
e.g. **(+3)** - (-2)
3. The answer is the number of _____ moved from the first number to the second number you marked on the line. If you move _____ it is _____, if you move _____ it is _____.

Lets try the following questions together.

$$(+3) - (-5)$$



How many units apart are the two numbers? _____

Which direction did you move? _____

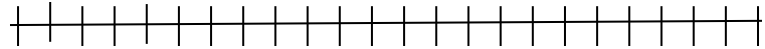
Is that direction positive or negative on a number line? _____

Therefore, your final answer is? _____

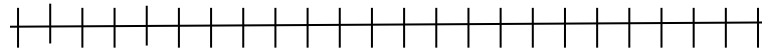
Try it on your Own

Complete each question below using the counter model **and** the number line model.

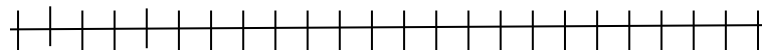
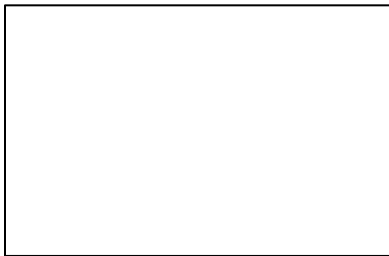
a) (+4) - (-2)



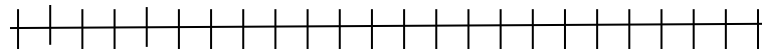
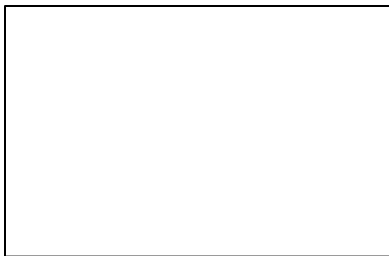
b) $(+2) - (+3)$



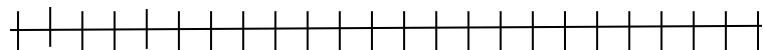
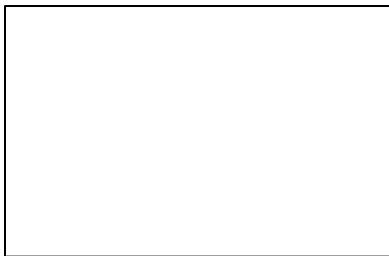
c) $(-2) - (-1)$



d) $(-8) - (+11)$



e) $(+3) - (-4)$



f) $(+7) - (-9)$

