

Unit 2: Integers

Name: \_\_\_\_\_

### 2.3 Using Models to Divide Integers

#### Instructions

1. Start at 0
2. The first integer tells you what direction to face and how many sets to move.
3. The second integer tells you to walk forward or backwards and how many groups.
4. The answer is your location at the end.

#### Example

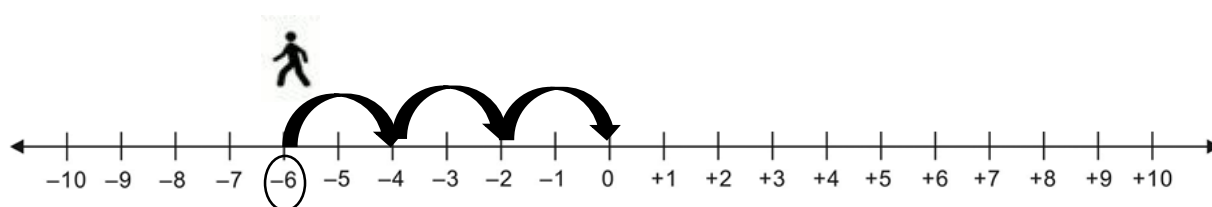
$$(-6) \div (+2) = -3$$

Trying to  
get to -6

By walking  
forward  
(+) groups  
of 2

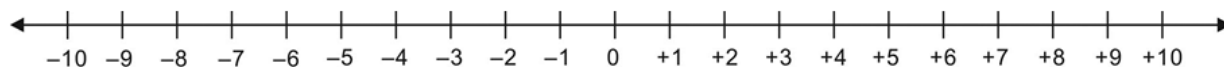
The direction you are facing  
is the sign of your answer.

The number of groups it  
took is the digit of the  
answer.

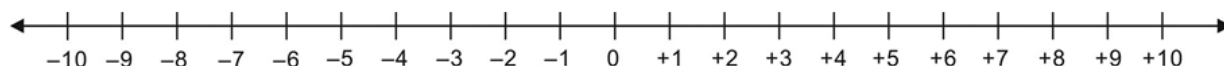


#### Practice

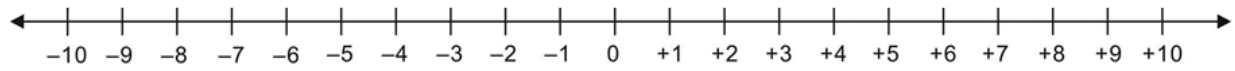
1.  $(-9) \div (-3)$



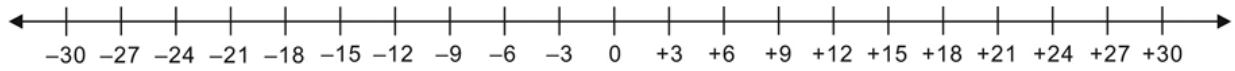
2.  $(+8) \div (-2)$



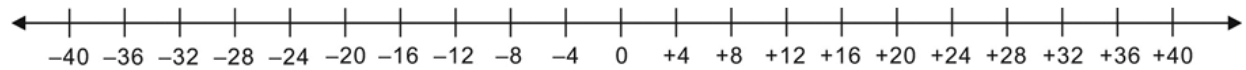
3.  $(+10) \div (+2)$



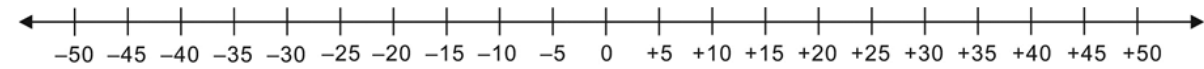
4.  $(-27) \div (-3)$



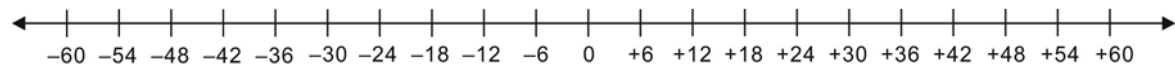
5.  $(+32) \div (-4)$



6.  $(-50) \div (+5)$



7.  $(+54) \div (+6)$



8.  $(-10) \div (-10)$

