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

Date: \_\_\_\_\_

**Learning Goal 1.2** 

I can multiply and divide integers.

the 'answer' or finishing point

Integer 2

(> +/\_ direction we're facing

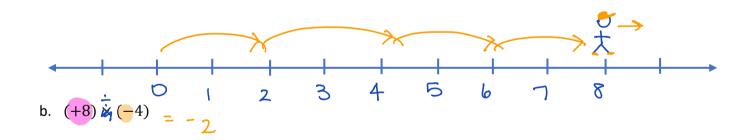
# how many jumps

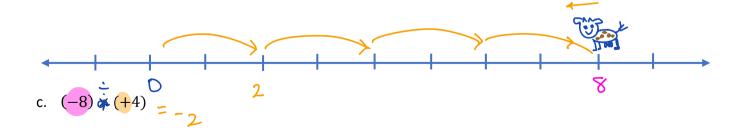
Quotient: size and direction of jump

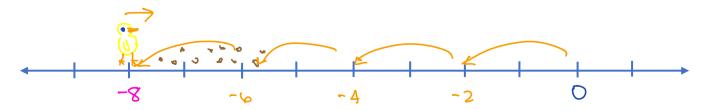
Integer 1

Always start at \_\_\_\_\_\_ on the number line.

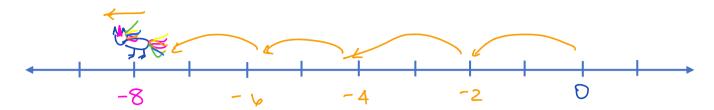
**Example** Find the following which by modelling the equation.







d. (-8) & (-4) = 2



Sign Rule

- When the integers have the same sign, The quotient is positive.
- When the integers have different signs, the guottent is regative

Last time (for now), models are

time consuming inconsistent limited

necessary.

**Example** Find the following **products** without modelling.

a. 
$$(-8) \div (-2) = 4$$

b. 
$$(-12) \div 4 = -3$$

c. 
$$(-63) \div 7 = -9$$

d. 
$$24 \div (-4) \div (-6)$$

four

**Example** Daria and her friends went out for lunch. They agreed to split the cost equally. The total bill came to \$85, which Daria put on her credit card. How much did each of her friends owe Daria?

Each friend owes Daria \$17.