

Math 7 - Unit 1b

Day 7 - Dividing Integers

Lesson Objectives:

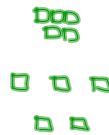
- I can use division as it relates to distance.
- I can represent division as a value model.
- I know the general rules for dividing integers.

Division is a way to undo groups of multiplication. There are two methods to model division.



How would we talk about the following problems with division and groups?

a. $5 \div 1 = 5$ b. $-4 \div 2 = -2$ c. $-25 \div 5 = -5$



The product of two integers with the **same sign** is positive.

The quotient of two integers with the **same sign** is positive.

The product of two integers with **different signs** is negative.

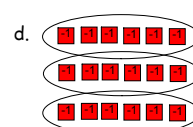
The quotient of two integers with **different signs** is negative.

Find each quotient.

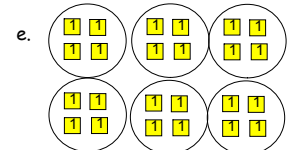
a. $-28 \div (-4)$ b. $96 \div 8$ c. $54 \div (-3)$ d. $-42 \div 6$

7 12 -18 -7

Write the division problem modeled below. Then evaluate.



$-18 \div 3 = -6$
 $-18 \div -6 = 3$



$24 \div 6 = 4$
 $24 \div 4 = 6$

Homework

1.5 pg 32 #4-27, 42-45

* Individual Think Time *



What to do if you get stuck...

1. Reread the problem. Did you write it down correctly?
2. Reread your notes. Is there a problem similar that we did together in class?
3. Find a problem similar in your book. Try this one to see if it helps.
4. Skip the problem until the end of Individual Think Time. Then ask an "educated" question of a neighbor or Mrs. Call.

Today we're working by...

