

5/2/12 11. 4 Multiplying Integers

• A positive times a positive is a POSITIVE

The product of 2 positive integers is POSITIVE

• A negative times a negative is a POSITIVE

The product of 2 negative integers is positive

• A positive times a negative is a NEGATIVE

The product of a positive integer & a negative integer is negative

Steps to solve multiplication of
Integers:

- ① Multiply the numbers
- ② Take the sign based on the rules in the table.

$$6 \times 6 = 36$$

$$-7 \times (-3) = 21$$

$$4 \times (-5) = -20$$

p. 550 ~ WHY:

Product	Repeated Addition	Result
$2 \cdot 4$	$2+2+2+2$	8
$(-1) \cdot 4$	$(-1)+(-1)+(-1)+(-1)$	-4
$(-1) \cdot (-4)$	$(-1)-(-1)-(-1)-(-1)$	4

P. 551: 1-8

① 72

⑤ -6

② 22

⑥ -12

③ -49

⑦ 10

④ -32

⑧ -6

In Class:

p. 552 #s 8-28

HW:

WS 11.4

#s 1-26