

Warm Up Gr 8

Sept. 4

a) Model -4 with tiles

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b) Model +3 with tiles in two ways

$$\frac{1^{s+}}{2^{nd}}$$

c) Model (+4) x (-5) with tiles

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(+4)*(-5) = (-20)

Page 68-69 #5, #6, # 5as (-1)+(-1)+(-1) $3 \times (-1) = -3$ b) (-2)+(-2)+(-2)+(-2) 5 x (-2) = -10 (+11) +(+11) +(+11) +(+11) 4 x (+11) = +44 6. a) (47) x (-4) (-4)+(-4)+(-4)+(-4)+(-4)+(-4)-1 -1 -1 -1 -1 -1 -1 -1 -1 = -28 b) (+6) x (+3) = (+18) (46) + (+6) + (+6) =+18 (14) x (+6) - +24 A) (+5) x (-6) -30 -1 -1 -1 -1

2+2+2+2+2+2 6×2

Repeated addition with the saldition with the saldi

Multiplying Two Negative Integers From Yesterday **Using TILES**

We just said , (+2) معرفر المعربة الم with zero, so what are we doing with the 2 sets of -4?

$$(+2) \times (-4) = (-8)$$

Need zero pairs

If (+2) x (-4) means to put down 2 sets of -4, what does

(-2) x (-4) mean? (Always start with zero)

It means to take away 2 groups of -4

$$(-2) \times (-4)$$
Remove Of (-4)
$$2 \text{ groups}$$

$$\Rightarrow$$
So (-2) x (-4) = (+8)

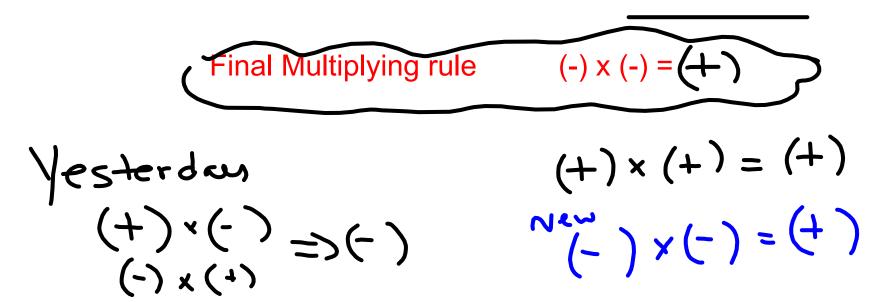
What about (-3) x (-2)? It means take away 3 groups of -2.

So $(-3) \times (-2) = -(+6)$

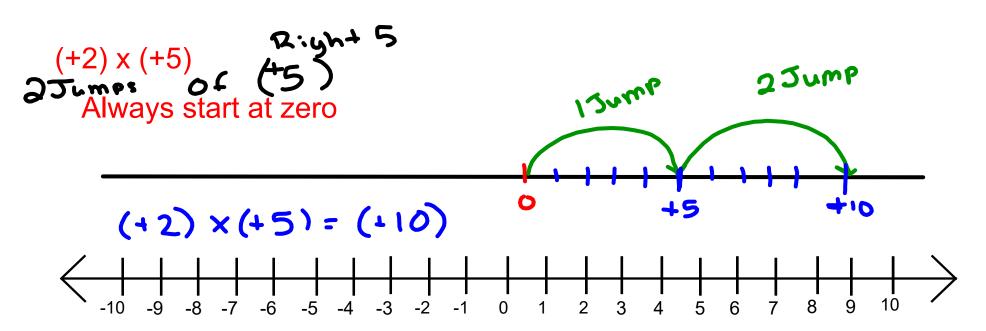
Now try (-5) x (-1)

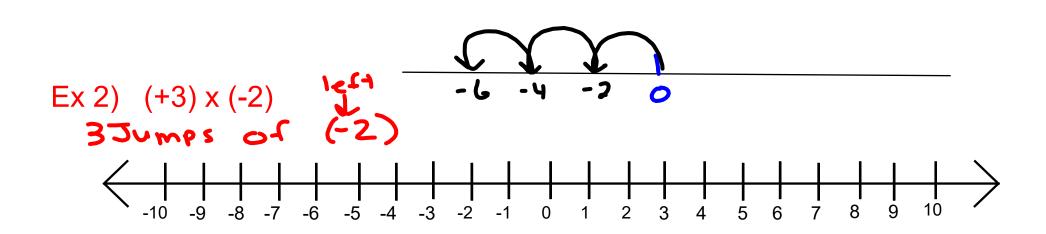
$$(-5) \times (-1) = (+5)$$

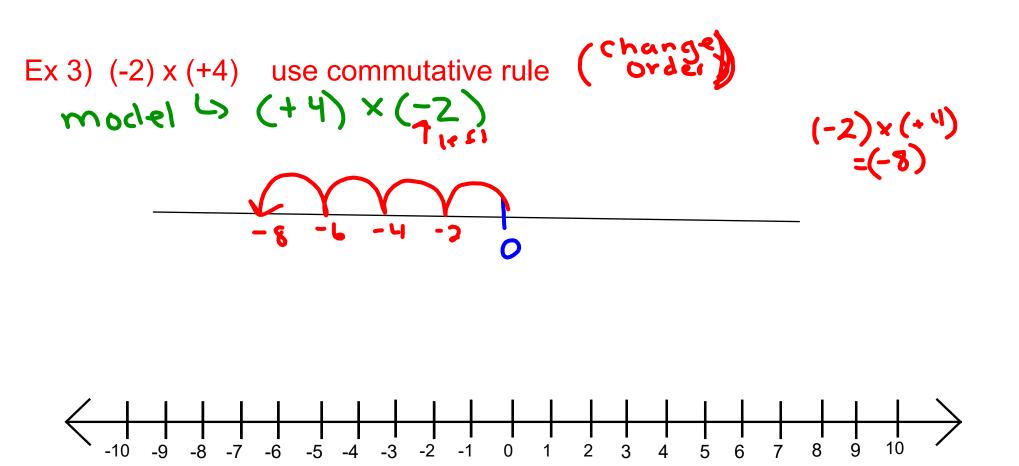
So when you multiply two negative integers, multiply the sep numbers and your answer will always be positive.



Solution Number line Modeling - we will focus on (+) x (-) or (+) x (+)







Homework/ Class Work

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Finish yesterdays if not done then #5,6ab

#6cd, 7, 8(a,c)

#Jumps x (Jump 5:20)

() x () = ()