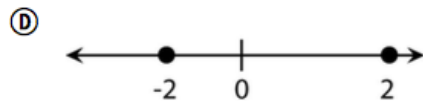
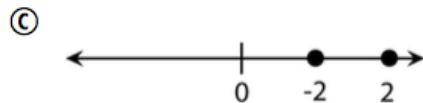
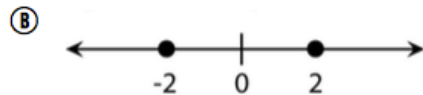
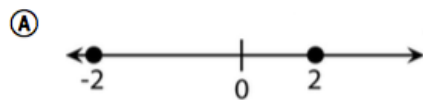


Daily Review



- What is the difference between an expression and an equation?
- Write $4 \times 4 \times 4 \times 4 \times 4$ in exponential form.
- Solve: 5^3

1 Which number line most accurately locates the relative positions of -2 and 2?



6 Which of the following has the greatest value?

(A) $|5|$

(B) 7

(C) $|-9|$

(D) -12

The Distributive Property

- With the distributive property, you “distribute” numbers or “break them up.”
- We use the distributive property a lot with

DISTRIBUTIVE PROPERTY	
Words	Numbers
To multiply a number by a sum, multiply by each number in the sum and then add.	$\begin{aligned} 6 \times (10 + 4) &= (6 \times 10) + (6 \times 4) \\ &= 60 + 24 \\ &= 84 \end{aligned}$

Different Kinds of Problems

Normal Way

$$(5)(\underline{8}) = 40$$

$$(4)(\underline{12}) = 48$$

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Distributive Approach

$$\begin{aligned} 5(\underline{6+2}) &= 5 \cdot 6 + 5 \cdot 2 \\ &= 30 + 10 \\ &= 40 \end{aligned}$$

$$\begin{aligned} (4)(\underline{7+2+3}) &= 4 \cdot 7 + 4 \cdot 2 + 4 \cdot 3 \\ &= 28 + 8 + 12 \\ &= 48 \end{aligned}$$

Distributive Property- With Variables!

- ☞ Same as normal- Still distribute out number
- ☞ If the number is right next to the parentheses, it means to multiply. We call it creating equivalent expressions.
- ☞ Coefficient- The number in front of the variable
- ☞ Examples:
 - ☞ $2(a+1)$
 - ☞ $3(5-x)$
 - ☞ $4(m+n)$

$$2(4 + 9w)$$

$$9(8 + 5t)$$

Reminders



- ❧ Quiz tomorrow!
- ❧ Worksheet for homework!
- ❧ Distributive property will NOT be on Monday's test, we are just getting a head start.