

6th Grade
March 10, 2021

Today we will:

- Review HW
- Work on classwork

**I am out of pencils.
If you need one, it will
cost ONE DEMERIT.
Going to your locker to
get one also costs ONE
DEMERIT.**

HOMEWORK:

HW and Extra Practice WS
if not done

Video notes

ALEKS assignment: 60
min and 5 topics due next
Monday by 11:59pm



Commutative: $+$ and \times
order doesn't matter

Associative: $+$ and \times
grouping doesn't matter

identity: $+0$ or $\times 1$
get back what you started with

distributive: spread out the multiplication

Lesson 5 Skills Practice

Algebra: Properties

Determine whether the two expressions are equivalent. If so, tell what property is applied. If not, explain why.

1. $2 \cdot (3 \cdot 7)$ and $(2 \cdot 3) \cdot 7$

yes; **Associative Property**

2. $6 + 3$ and $3 + 6$

yes; **Commutative Property**

3. $26 - (9 - 7)$ and $(26 - 9) - 7$

no; the expressions equal
24 and 10.*Associative prop.
does not work for subtraction*

4. $18 \cdot 1$ and 18

yes; **Identity Property**

5. $7 \cdot 2$ and $2 \cdot 7$

yes; **Commutative Property**

6. $6 - (4 - 1)$ and $(6 - 4) - 1$

no; the expressions equal 3 and 1.
"

7. $7 + 0$ and 7

yes; **Identity Property**

8. $0 + 12$ and 0

no; the expressions equal
12 and 0.

9. $625 + 281$ and $281 + 625$

yes; **Commutative Property**

10. $(12 \cdot 18) \cdot 5$ and $12 \cdot (18 \cdot 5)$

yes; **Associative Property**

11. $2 + (8 + 2)$ and $(2 + 8) + 2$

yes; **Associative Property**

12. $40 \div 10$ and $10 \div 40$

no; the expressions equal 4 and $\frac{1}{4}$.
Comm. does not work for division

Use one or more properties to rewrite each expression as an expression that does not use parentheses.

13. $(p \cdot 1) \cdot 6$ $p \cdot 6$

$$p \cdot (1 \cdot 6) = 6p$$

14. $(a + 5) + 23$ $a + 28$

15. $7 \cdot (y \cdot 3)$ $y \cdot 21$

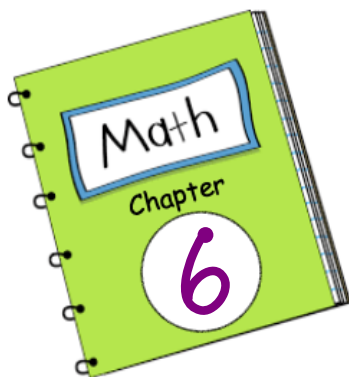
$$(7 \cdot 3) \cdot y = 21y$$

16. $(b + 4) + 17$ $b + 21$

17. $6 + (x + 50)$ $x + 56$

$$(6 + 50) + x$$

18. $(y \cdot 200) \cdot 2$ $y \cdot 400$



TITLE:



Expressions

Date	Lesson	Topic/Assignment
2/17	1	Powers and Exponents Video Notes
2/19	1	HOMEWORK: Pg437 WS
2/22	2	Order of Operations Video Notes
2/23	2	HOMEWORK: Pg445 WS
2/23	2	CLASSWORK: Pg447 WS
2/26	3	Variables and Expressions Video Notes
3/2	3	CLASSWORK: Pg453 WS
3/3	3	HOMEWORK: Skills Practice WS
3/4	4	Writing Expressions Video Notes
3/5	4	Pg464 Examples
3/5	4	Skills and HW Practice WS
3/9	5	Properties In-Class Notes
3/9	5	CLASSWORK: Reteach WS
3/10	5	HOMEWORK: Skills Practice WS
3/10	5	CLASSWORK: Homework and Extra Practice WS
3/11	6	Distributive Property Video Notes
3/12	6	HOMEWORK: Pg488 WS



Lesson 5 Homework Practice

Algebra: Properties

Determine whether the two expressions are equivalent. If so, tell what property is applied. If not, explain why.

1. $7 \cdot (6 \cdot t)$ and $(7 \cdot 6) \cdot t$

2. $23 + 15$ and $15 + 23$

3. $18 - (7 - 3)$ and $(18 - 7) - 3$

4. $8 \cdot 1$ and 8

5. $x \cdot 1$ and $1 \cdot x$

6. $10 \div 5$ and $5 \div 10$

Use one or more properties to rewrite each expression as an expression that does not use parentheses.

7. $(b + 3) + 6$

8. $7 + (3 + t)$

9. $9 \cdot (k \cdot 5)$

10. $1 + (h + 2)$

11. **GROCERY** A grocery store sells an imported specialty cheese for \$11 and its own store-brand cheese for \$5. Write two equivalent expressions for buying one of each cheese and an unknown amount of other groceries.

12. **CHECKING ACCOUNT** Mr. Kenrick made three deposits to his account in this order: \$460, \$185, and \$240. Show how to use the Commutative Property to find the sum of the deposits mentally.

13. **PETS** Luzon has 8 fish, 3 cats, and 2 dogs. Write two equivalent expressions using the Associative Property that can be used to find the total number of pets.

Lesson 5 Extra Practice

Algebra: Properties

Determine whether the two expressions are equivalent. If so, tell what property is applied. If not, explain why.

1. $7 \cdot (3 \cdot 2)$ and $(7 \cdot 3) \cdot 2$
2. $16 \div 8$ and $8 \div 16$
3. $27 \cdot 1$ and 1
4. $16 + 0$ and 16
5. $12 - (5 - 2)$ and $(12 - 5) - 2$
6. 14 and $1 \cdot 14$
7. $32 + 4$ and $4 + 32$
8. $40 \div (8 \div 2)$ and $(40 \div 8) \div 2$

 Name _____
VIDEO NOTES Unit ____ Lesson ____ Due Date _____

THE DISTRIBUTIVE PROPERTY

THE DISTRIBUTIVE PROPERTY COMBINES
_____ AND _____.

EXAMPLES:

USE _____ TO KEEP TRACK OF YOUR _____.

Lesson 6 Skills Practice (Notes)

The Distributive Property

Find each product mentally. Show the steps you used.

1. 3×78

2. 7×74

3. 8×92

4. 6×57

5. $15 \times 2\frac{2}{3}$

6. $12 \times 5\frac{1}{6}$

7. 6×5.2

8. 4×9.4

Use the Distributive Property to rewrite each algebraic expression.

9. $7(y + 2)$

10. $(8 + r)4$

11. $8(x + 9)$

12. $(b + 5)12$

13. $4(2 + a)$

14. $7(6 + v)$

15. $(b - 5)15$

16. $3(5 - v)$

17. $6(11 - s)$