March 10, 2021

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 ×
order doesn't matter

associative: + and ×
grouping doesn't matter

identity: +0 or ×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. $(y \cdot 200) \cdot 2$ $y \cdot 400$

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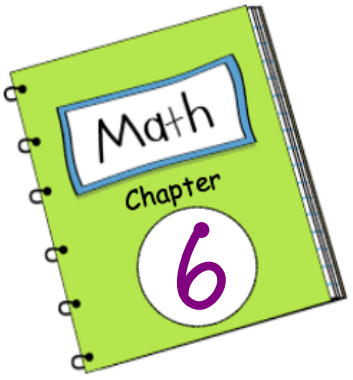

TITLE: Expressions

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

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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 $(40 \div 8) \div 2$

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Name _____

Unit ___ Lesson _____ Due Date _____

THE DISTRIBUTIVE PROPERTY

THE DISTRIBUTIVE PROPERTY COMBINES _____ AND _____.

EXAMPLES:

USE _____ TO KEEP TRACK OF YOUR _____.

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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. $6(11 - s)$