

6th Grade
March 16, 2021

Today we will:

-Review HW and video notes

-Do some more examples in binder

-work on HW

**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:

Extra Practice WS

Test and binder check
FRIDAY

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



ICA/HW Key:

Lesson 6 Homework Practice

The Distributive Property

Find each product mentally. Show the steps you used.

1. 8×34

$8(30) + 8(4) = 272$

$240 + 32 = 272$

2. 5×47

$5(40) + 5(7) = 235$

3. $12 \times 4\frac{3}{4}$

$12(4) + 12(\frac{3}{4}) = 57$

4. $8 \times 3\frac{3}{4}$

$8(3) + 8(\frac{3}{4}) = 30$

5. 6×4.4

$6(4) + 6(0.4) = 26.4$

6. 7×2.9

$7(2) + 7(0.9) = 20.3$

$24 + 2.4 = 26.4$

Use the Distributive Property to rewrite each algebraic expression.

7. $6(n + 4)$

$6n + 24$

$6n + 6 \cdot 4$

8. $15(2 + r)$

$30 + 15r$

$15 \cdot 2 + 15r$

9. $8(s + 5)$

$8s + 40$

10. $3(b + 8)$

$3b + 24$

11. $5(6 + b)$

$30 + 5b$

12. $9(3 + v)$

$27 + 9v$

13. $7(r + 7)$

$7r + 49$

14. $12(4 + v)$

$48 + 12v$

15. $11(3 + s)$

$33 + 11s$

16. MOVIES Use the table that shows the prices of tickets and various food items at the movie theater.

Item	Price
Ticket	\$8.50
Popcorn	\$5.25
Soda	\$4.00
Candy	\$3.75
Nachos	\$6.50

a. Four friends each bought a ticket and a bag of popcorn. How much total money did they spend? **\$55.00**

$4(8.50 + 5.25)$

b. How much money will the movie theater make if a birthday party of 12 kids each buys a box of candy and a soda but does not go see a movie? **\$93.00**

$12(3.75 + 4.00)$

c. How much more money will a person spend who buys three orders of nachos than a person who buys three bags of popcorn? **\$3.75**

$3(6.50 - 5.25)$

2. Mark all the like terms the same way.

3. Put each group of like terms together.

1. Draw lines in front of each + or - to separate the terms.

4. Simplify each group into one single term.

Simplifying Expressions

Use properties to remove parentheses and combine like terms.

Example.

$$\begin{aligned} & (5a - 2) + (3a - 4b) \\ & 8a - 4b - 2 \end{aligned}$$

Examples:

(write these directly in your notebook under the flower foldable)

$$a) \quad 3 \cdot x \cdot 11$$

$$3 \cdot 11 \cdot x$$

$$33x$$

$$b) \quad 1x + 1x + 1x = 3x$$

$$c) \quad 7x + 8 + 1x$$

$$8x + 8$$

$$d) \quad 3x + 9y + 2x + 6$$

$$5x + 9y + 6$$

$$e) \quad 5x - 2y + 3x - 4y + 2$$

$$8x - 6y + 2$$

$$f) \quad 7 \cdot (3x + y)$$

$$7 \cdot 3x + 7 \cdot y$$

$$21x + 7y$$

$$9(8x + 4xy)$$

$$9(8) = 72x \quad 9(4xy) = 36xy$$

$$72x + 36xy$$

Let's add these to your notes:

Simplify.

$$1) \textcircled{3a} + \boxed{4y} + \textcircled{2a} + \underline{6} =$$

$$5a + 4y + 6$$

$$2) \textcircled{6f} + \boxed{9} + \underline{7h} + \boxed{4} + \underline{3h} + \textcircled{12f} = 18f + 10h + 13$$

$$6f + 12f + 7h + 3h + 4 + 9$$

$$3) \textcircled{4x} + 8y - \underline{12} + \textcircled{5x} =$$

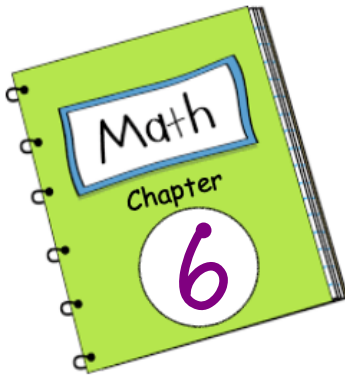
$$9x + 8y - 12$$

$$\textcircled{5m^2} \quad (5m)^2 = 25m^2$$

Challenge:

$$\textcircled{5m^2} + 8n - \textcircled{9m^2} + \boxed{12m} - \underline{4n} =$$

$$14m^2 + 12m + 4n$$



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
3/15	6	CLASSWORK: HW Practice WS
3/16	7	Simplifying Expressions Video Notes
3/17	7	HOMEWORK: Extra Practice WS
3/17	7	CLASSWORK: Skills WS
3/18	ALL	HOMEWORK: Unit 6 Study Guide



Lesson 7 Extra Practice
Equivalent Expressions

Simplify each expression.

1. $5x + 3x$

2. $2x + x$

3. $6x + 8x$

4. $9x + 3x$

5. $7x + 4x$

6. $10x + x$

7. $3x + 2 + 4x$

8. $15x + 3 + x$

9. $2x + 5 + 6x$

10. $7x + 2x + 4$

11. $18x + 3x + 9$

12. $6x + x + 8$