

6th Grade
March 12, 2021

Today we will:

- Review HW
- Work on special ALEKS homework assignment on expressions

**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:

ALEKS homework on
expressions

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



Answers to HW:

1. Find $9 \times 8\frac{2}{3}$ mentally. Show the steps you used. (Example 1) $9(8) + 9(\frac{2}{3}) = 78$

Use the Distributive Property to rewrite each algebraic expression. (Example 2)

2. $3(x + 1) = 3x + 3$

3. $5(x + 8) = 5x + 40$

4. $4(x + 6) = 4x + 24$

Find each product mentally. Show the steps you used. (Example 1)

1. $9 \times 44 = 9(40 + 4) = 9(40) + 9(4) = 396$

$360 + 36 = 396$

2. $4 \times 5\frac{1}{8} = 4(5) + 4(\frac{1}{8}) = 20\frac{1}{2}$

$20 + \frac{1}{2} = 20\frac{1}{2}$

3. $7 \times 3.8 =$

$7(3) + 7(0.8) = 26.6$

$21 + 5.6 = 26.6$

Use the Distributive Property to rewrite each algebraic expression. (Example 2)

4. $8(x + 7) = 8x + 56$

$8 \cdot x + 8 \cdot 7 = 8x + 56$

5. $6(11 + x) = 66 + 6x$

$6 \cdot 11 + 6 \cdot x = 66 + 6x$

6. $8(x + 1) = 8x + 8$

$8 \cdot x + 8 \cdot 1 = 8x + 8$

MP Identify Repeated Reasoning A coyote can run up to 43 miles per hour while a rabbit can run up to 35 miles per hour. Write two equivalent expressions and then find how many more miles a coyote can run in six hours than a rabbit at these rates. (Example 3)

$6(43) - 6(35) = 6(43 - 35); 48 \text{ mi}$



19. $4 \times 38 = 152$

$4(30) + 4(8) = 120 + 32 = 152$

20. $11 \times 27 = 297$

$11(20) + 11(7) = 220 + 77 = 297$

21. $3 \times 3.9 = 11.7$

$3(3) + 3(0.9) = 9 + 2.7 = 11.7$

Use the Distributive Property to rewrite each algebraic expression.

22. $4(x + 2) = 4x + 8$

23. $3(x + 7) = 3x + 21$

24. $5(2x + 7) = 10x + 35$

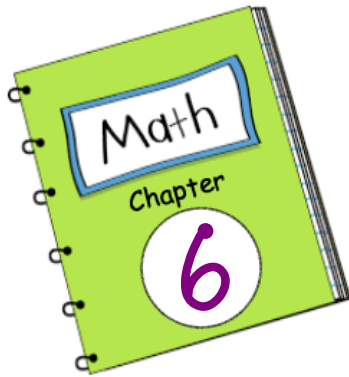
MP Be Precise Mrs. Singh bought 9 folders and 9 notebooks. The cost of each folder was \$2.50. Each notebook cost \$4. Write two equivalent expressions and then find the total cost.

$9(2.50 + 4) = 9(2.50) + 9(4); \58.50

MP Be Precise Five friends bought admission tickets to the museum and a box lunch. The cost of each admission ticket was \$11.75. Each box lunch cost \$5. Write two equivalent expressions and then find the total cost.

$5(11.75 + 5) = 5(11.75) + 5(5); \83.75





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

