March 2, 2021

6th Grade
March 2, 2021

Today we will:

-Do pg 453 together

-Begin HW if time

HOMEWORK:

Skills Practice WS

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

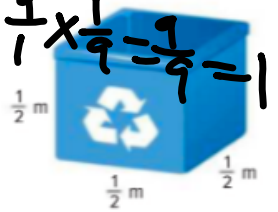
Independent Practice

Go online for Step-by-Step Solutions

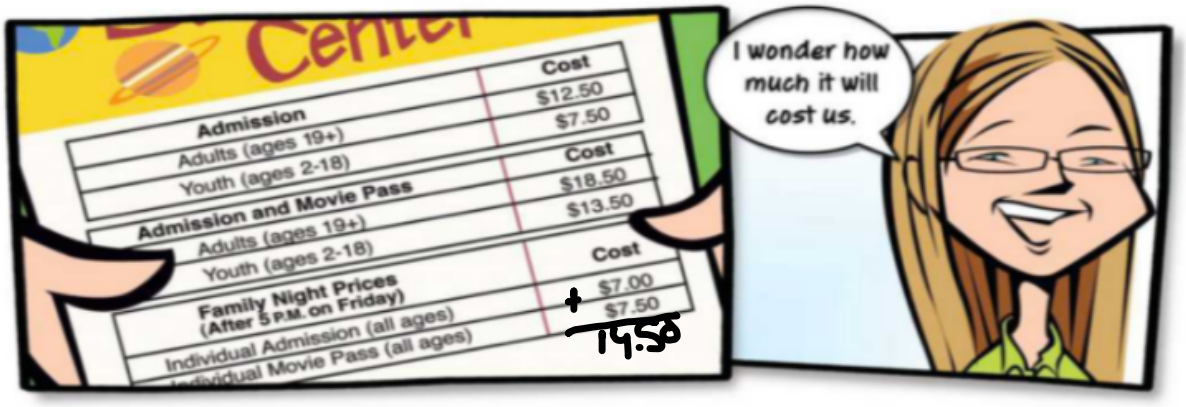
Evaluate each expression if $m = 2$, $n = 16$, and $p = \frac{1}{3}$. (Examples 1–6)

1. $m + 10$ 12
2. $n \div 4$ 4
3. $m + n$ 18
4. $6m - 1$ 11
5. $3p$ 1
6. $12p$ 4
7. $12m - 4$ 60
8. $9p^2$ 1

9. A paper recycling bin has the dimensions shown. Use the expression s^3, where s represents the length of a side, to find the volume of the bin. Write your answer in cubic meters. (Example 7)



10. **Model with Mathematics** Refer to the graphic novel frame below for Exercises a–b.



a. What is the total cost for one individual admission and one individual movie pass on Family Night? $14.50

b. The expression $14.50x$ can be used to find the total cost for x tickets on Family Night for admission and the movie. What is the cost for 3 tickets? 43.50

March 2, 2021

11 **Financial Literacy** Julian earns $13.50 per hour. His company deducts 23% of his pay each week for taxes. Julian uses the expression $0.77(13.50h)$ to compute his earnings after taxes for the hours h he works. What will be his earnings after taxes, if he works 40 hours? _____

415.80

Evaluate each expression if $x = 3$, $y = 12$, and $z = 8$.

12. $4z + 8 - 6$ 34

4x8 40 − 6 = 34

32 + 8 = 40

13. $7z \div 4 + 5x$ 29

7x8÷4+5x3

56÷4 + 15

14 + 15 = 29

14. $y^2 \div (3z)$ 6

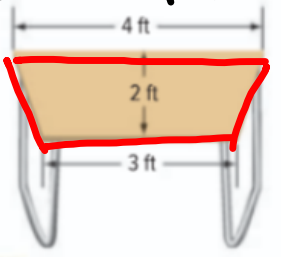
12²÷(3x8)

12²÷24

144÷24=

12 × 12 = 144

24



15. MP **Be Precise** To find the area of a trapezoid, use the expression $\frac{1}{2}h(b_1 + b_2)$, where h represents the height, b_1 represents the length of the top base, and b_2 represents the length of the bottom base. What is the area of the trapezoidal table? _____

$\frac{1}{2} \cdot h \cdot (b_1 + b_2)$

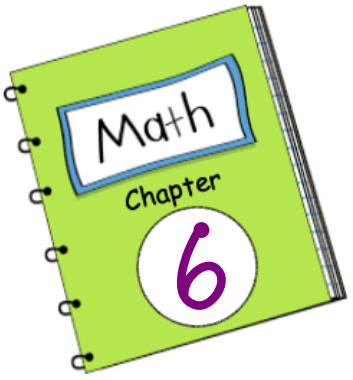
$\frac{1}{2} \cdot 2 \cdot (4 + 3)$

$\frac{1}{2} \cdot 2 \cdot 7$

$1 \cdot 7$

7 m²

March 2, 2021



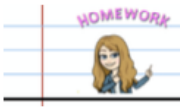
TITLE: Expressions

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

March 2, 2021


Welcome to our class
IN THIS CLASSROOM WE DON'T give up, BUT WE DO give our best effort
HARD WORK PAYS OFF
WELCOME
6th Grade Homework
Skills Practice WS
ALEKS

March 2, 2021



Name _____

Unit ___ Lesson _____ Due Date _____

Lesson 3 Skills Practice

Algebra: Variables and Expressions

Complete the table.

Algebraic Expressions	Variables	Coefficients	Constants
1. $5d + 2c$			
2. $5w - 4y + 28$			
3. $xy \div 4 + 3m - 6$			

Evaluate each expression if $a = 3$ and $b = 4$.

4. $10 + b$

5. $2a + 8$

6. $4b - 5a$

7. $a \cdot b$

8. $7a \cdot 9b$

9. $8a - 9$

10. $a^2 \cdot b^2$

11. $ab \div 3$

12. $7a + 8b \cdot 2$

Evaluate each expression if $x = 7$, $y = \frac{1}{2}$, and $z = 8$.

13. $x + y + z$

14. $x + 2z$

15. $4y$

16. $4x - 3z$

17. $4x - 17$

18. $9y + (2x + 1)$