

6th Grade
Feb 23, 2021

Today we will:

-review HW

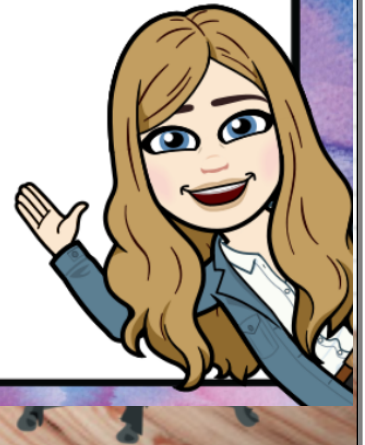
-do examples

-in-class assignment:
pg 447

HOMEWORK:

Pg 447

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



Name _____ My Homework _____

Independent Practice

Go online for Step-by-Step Solutions



Find the value of each expression. (Examples 1-5)

1. $8 + 4 - 3 = 9$

Show your work.

$$\begin{array}{r} \checkmark \\ 12 - 3 \\ \checkmark \\ 9 \end{array}$$

2. $38 - 19 + 12 = 31$

$$\begin{array}{r} \checkmark \\ 19 + 12 \\ \checkmark \\ 31 \end{array}$$

3. $7 + 9 \times (3 + 8) = 106$

$$\begin{array}{r} \checkmark \\ 11 \times 9 = 99 + 7 = 106 \end{array}$$

4. $15 - 2^3 \div 4 = 13$

$$\begin{array}{r} \checkmark \\ 2 \times 2 \times 2 = 8 \div 4 = 2 \\ 15 - 2 = 13 \end{array}$$

5. $55 \div 11 + 7 \times (2 + 14) = 117$

$$\begin{array}{r} \checkmark \quad \checkmark \\ 5 \quad 7 \times 16 \\ \checkmark \quad \checkmark \\ 57 \quad 112 = 117 \end{array}$$

6. $5^3 - 12 \div 3 = 121$

$$\begin{array}{r} \checkmark \\ 125 - 12 \div 3 \\ 125 - 4 \end{array}$$

7. $8 \times (2^4 - 3) + 8 = 112$

$$\begin{array}{r} \checkmark \\ 8 \times 13 \\ 104 + 8 = 112 \end{array}$$

$$\begin{array}{r} * \\ 2 \\ \times 13 \\ \hline 104 \end{array}$$

8. $9 + 4^3 \times (20 - 8) \div 2 + 6 = 399$

$$\begin{array}{r} \checkmark \\ 9 + 4^3 \times 12 \div 2 + 6 \\ 9 + 64 \times 12 \div 2 + 6 \\ 9 + 768 \div 2 + 6 \\ 9 + 384 + 6 \\ 393 + 6 \\ 399 \end{array}$$

$$\begin{array}{r} 64 \\ \times 12 \\ \hline 128 \\ 640 \\ \hline 768 \\ 2 \overline{) 768} \\ \underline{384} \end{array}$$

9. **Financial Literacy** Tyree and four friends go to the movies. Each person buys a movie ticket for \$7, a snack for \$5, and a drink for \$2. Write an expression for the total cost of the trip to the movies. Then find the total cost. (Example 6)

$$\begin{array}{l} 5 \cdot (2 + 7 + 5) = \$70 \\ 5 \times 2 + 5 \times 7 + 5 \times 5 = \$70 \end{array}$$



10. **Financial Literacy** The Molina family went to a concert together. They purchased 4 concert tickets for \$25 each, 3 T-shirts for \$15 each, and a poster for \$10. Write an expression for the total cost. Then find the total cost. (Example 6)

$$\begin{array}{l} 4 \cdot 25 + 3 \cdot 15 + 10 \\ 100 + 45 + 10 = \$155 \end{array}$$

Order of Operations Pizza Slices

$$5^2 \times 2^2 \div 10$$

$$25 \times 4$$

$$100 \div 10$$

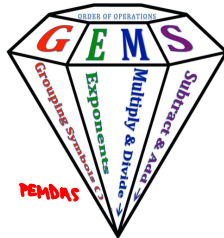
$$10$$

$$(2 + 1)^2 \times 4$$

$$3^2$$

$$9 \times 4 = 36$$

Chapter 6 Lesson 2
Numerical Expressions



Order of Operations
G Simplify within Grouping symbols like () [] { }
E Simplify exponents
M Perform multiplications and divisions in order from left to right
S Perform subtractions and additions in order from left to right

$$4^2 - 2 \times 8$$

$$4 \times 4 = 16 - 16 = 0$$

$$4 \times 4 = 16 - 2$$

$$4$$

$$4^2 - 2 \times 8$$

$$16 - 2 \times 8$$

$$16 - 16 = 0$$

$$[36 - (4 \times 5)] \times 2$$

$$(36 - 20) \times 2$$

$$16 \times 2 = 32$$

$$[(16 + 6) \div 2] \times 5$$

$$22 \div 2 = 11$$

$$11 \times 5 = 55$$

$$4 \cdot (17 + 33)$$

$$7 + 27$$

$$4 \times 34$$

$$136$$





Name _____

CLASSWORK

Unit ____ Lesson ____ Due Date _____

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Extra Practice

Find the value of each expression.

17. $9 + 12 - 15 = 6$



$$9 + 12 - 15 = 21 - 15 = 6$$

18. $22 - 17 + 8 =$ _____

19. $(9 + 2) \times 6 - 5 =$ _____

20. $27 \div (3 + 6) \times 5 - 12 =$ _____

21. $26 + 6^2 \div 4 =$ _____

22. $22 \div 2 \times 3^2 =$ _____

23. $12 \div 4 + (5^2 - 6) =$ _____

24. $96 \div 4^2 + (25 \times 2) - 15 - 3 =$ _____

25. **Financial Literacy** Admission to a circus is \$16 for adults and \$8 for children. Write an expression to find the total cost of 3 adult tickets and 8 children's tickets. Then find the total cost.

26. **MP Reason Inductively** Addison is making caramel apples. She has $2\frac{1}{2}$ bags of apples. One full bag has 8 apples, and each apple weighs 5 ounces. Write an expression that could be used to find the total number of ounces of apples Addison has. Then find the total number of ounces.

