

Expressions and Equations

Unit Review (page 1 of 2)

1. Find the value of each expression.

$$(48 - 12) \div 6 = \underline{\hspace{2cm}}$$

$$48 - (12 \div 6) = \underline{\hspace{2cm}}$$

2. Find the value. Show your work.

$$(23 - 8) \times 4$$

$$\underline{\hspace{10cm}} = \underline{\hspace{2cm}}$$

3. Number the operations 1, 2, 3 in order. Then find the value.



$$30 + 18 \div 3 - 9 = \underline{\hspace{2cm}}$$

4. Find the value of each expression.

$$56 \div 7 \times 3 = \underline{\hspace{2cm}}$$

$$41 - 15 + 6 = \underline{\hspace{2cm}}$$

5. Find the value. Show your work.

$$[35 - (4 \times 6)] \times 3$$

$$\underline{\hspace{10cm}} = \underline{\hspace{2cm}}$$

6. Find the value. Show your work.

$$\{[(9 + 6) \div 5] \times 8\} - 4$$

$$\underline{\hspace{10cm}} = \underline{\hspace{2cm}}$$

7. Write an expression for the words.
Do not find its value.

Subtract 9 from 45, then divide by 4.

8. Fill in the blank. Do not find the values.

$$8 \times (4,076 + 589)$$

is _____ times as large as

$$2 \times (4,076 + 589)$$

Expressions and Equations

Unit Review (page 2 of 2)

9. Is each equation true when $n = 7$?
Circle True or False.

$$(n - 3) \times 5 = 20 \quad \text{True} \quad \text{False}$$

$$4 \times (n + 2) = 32 \quad \text{True} \quad \text{False}$$

10. Add one pair of parentheses to make the equation true.

$$8 + 4 \times 6 - 3 = 69$$

11. Write the missing number to make each equation true.

$$47 \times 29 = 29 \times \underline{\hspace{2cm}}$$

$$(6 \times 5) \times 9 = 6 \times (\underline{\hspace{2cm}} \times 9)$$

$$8 \times 53 = 8 \times 50 + 8 \times \underline{\hspace{2cm}}$$

12. Write an expression for the words.
Then find its value when $n = 8$.

7 more than 3 times a number n

Expression _____

Value _____

13. Write an equation with a letter for the unknown. Solve.

Mia shares **96** stickers equally among some friends. Each friend gets **8** stickers. How many friends are there?

Equation _____

_____ friends

14. Write an equation with a letter for the unknown. Solve.

A garden center has **16** trays of **25** plants. It sells **120** plants and puts the rest equally into **7** rows. How many plants go in each row?

Equation _____

_____ plants

Expressions and Equations

Unit Review (page 1 of 2)

1. Find the value of each expression.

$$(48 - 12) \div 6 = \underline{6}$$

$$48 - (12 \div 6) = \underline{46}$$

Lesson 5.1 · Parentheses first

2. Find the value. Show your work.

$$(23 - 8) \times 4$$

$$= 15 \times 4$$

$$= \underline{60}$$

Lesson 5.1 · Parentheses first

3. Number the operations 1, 2, 3 in order. Then find the value.

$$\begin{array}{c} \textcircled{2} \quad \textcircled{1} \quad \textcircled{3} \\ 30 + 18 \div 3 - 9 = \underline{27} \end{array}$$

Lesson 5.2 · The order of operations

4. Find the value of each expression.

$$56 \div 7 \times 3 = \underline{24}$$

$$41 - 15 + 6 = \underline{32}$$

Lesson 5.2 · The order of operations

5. Find the value. Show your work.

$$[35 - (4 \times 6)] \times 3$$

$$= [35 - 24] \times 3$$

$$= 11 \times 3$$

$$= \underline{33}$$

Lesson 5.3 · Brackets and braces

6. Find the value. Show your work.

$$\{[(9 + 6) \div 5] \times 8\} - 4$$

$$= \{[15 \div 5] \times 8\} - 4$$

$$= \{3 \times 8\} - 4$$

$$= 24 - 4$$

$$= \underline{20}$$

Lesson 5.3 · Brackets and braces

7. Write an expression for the words.
Do not find its value.

Subtract 9 from 45, then divide by 4.

$$\underline{(45 - 9) \div 4}$$

Lesson 5.4 · Write and compare expressions

8. Fill in the blank. Do not find the values.

$$8 \times (4,076 + 589)$$

is 4 times as large as

$$2 \times (4,076 + 589)$$

Lesson 5.4 · Write and compare expressions

Expressions and Equations

Unit Review (page 2 of 2)

9. Is each equation true when $n = 7$?
Circle True or False.

$$(n - 3) \times 5 = 20 \quad \text{True} \quad \text{False}$$

$$4 \times (n + 2) = 32 \quad \text{True} \quad \text{False}$$

Lesson 5.5 · True or false; place parentheses

10. Add one pair of parentheses to make the equation true.

$$(8 + 4) \times 6 - 3 = 69$$

Lesson 5.5 · True or false; place parentheses

11. Write the missing number to make each equation true.

$$47 \times 29 = 29 \times \underline{47}$$

$$(6 \times 5) \times 9 = 6 \times (\underline{5} \times 9)$$

$$8 \times 53 = 8 \times 50 + 8 \times \underline{3}$$

Lesson 5.6 · Equivalent expressions

12. Write an expression for the words.
Then find its value when $n = 8$.

7 more than 3 times a number n

Expression $\underline{3 \times n + 7}$ One way

Value $\underline{31}$

Lesson 5.7 · Variables

13. Write an equation with a letter for the unknown. Solve.

Mia shares **96** stickers equally among some friends. Each friend gets **8** stickers. How many friends are there?

Equation $\underline{96 \div f = 8}$
One way

$$96 \div 8 = 12$$

One way

$\underline{12}$ friends

Lesson 5.7 · Variables

14. Write an equation with a letter for the unknown. Solve.

A garden center has **16** trays of **25** plants. It sells **120** plants and puts the rest equally into **7** rows. How many plants go in each row?

Equation $\underline{(16 \times 25 - 120) \div 7 = p}$
One way

$$16 \times 25 = 400$$

$$400 - 120 = 280$$

$$280 \div 7 = 40$$

One way

$\underline{40}$ plants

Lesson 5.8 · Multi-step stories with a letter