Learning Objective: Students will be able to write an algebraic expression that represented a verbal phrase.

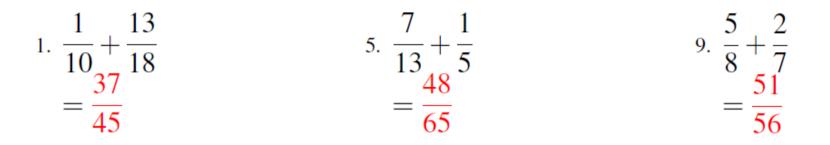
Warm Up

1.
$$\frac{1}{10} + \frac{13}{18}$$
 5. $\frac{7}{13} + \frac{1}{5}$ 9. $\frac{5}{8} + \frac{2}{7}$

2.
$$\frac{3}{16} + \frac{1}{6}$$
 6. $\frac{7}{20} + \frac{11}{20}$ 10. $\frac{4}{15} + \frac{3}{5}$

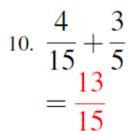
Learning Objective: Students will be able to write an algebraic expression that represented a verbal phrase.

Warm Up Answers



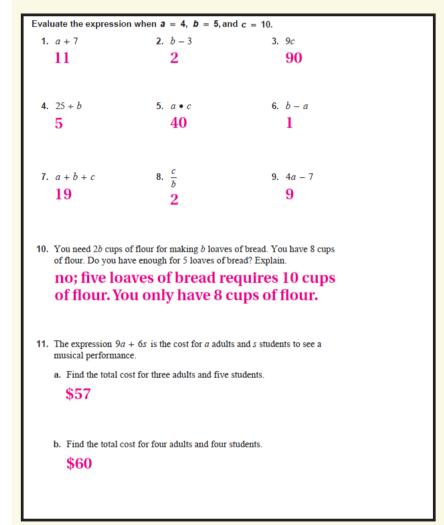
 ${}^{2.} \frac{3}{16} + \frac{1}{6} \\ = \frac{17}{48}$

6. $\frac{7}{20} + \frac{11}{20} = \frac{9}{10}$



Homework Answers

3.1 Record and Practice Journal



Learning Objective: Students will be able to write an algebraic expression that represented a verbal phrase.

December 2, 2015

Lesson 3.2

Essential Question:

How can you write an expression that represents an unknown quantity?

Lesson 3.2

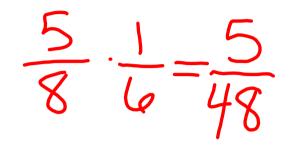
December 2, 2015

Lesson Objective:

Students will be able to:

write an algebraic expression that represented a verbal phrase.

 $\frac{2}{5} \cdot \frac{1}{3} - \frac{2}{15}$



Self-Evaluation Scale

Score	Description
4	I can teach other students how to write an algebraic expression that represented a verbal phrase.
3	I can write an algebraic expression that represented a verbal phrase.
2	I recognize, but still need help to write an algebraic expression that represented a verbal phrase.
1	I do not know how to write an algebraic expression that represented a verbal phrase.

Learning Objective: Students will be able to write an algebraic expression that represented a verbal phrase.

a. Complete the table.

Variable	Phrase	Expression
n	4 more than a number	47N
m	the difference of a number and 3	M-3
x	the <mark>sum</mark> of a number and 8	X+8
р	10 less than a number	P-10
n	7 units <mark>farther</mark> away	N+7
t	8 minutes sooner	t-~
w	12 minutes later	1276
у	a number increased by 9	7+9

Some words that imply math operations

Operation	Addition	Subtraction	Multiplication	Division
Key Words and Phrases	added to plus sum of more than increased by total of and	subtracted from minus difference of less than decreased by fewer than take away	multiplied by times product of twice of	divided by quotient of Our of

1

Learning Objective: Students will be able to write an algebraic expression that represented a verbal phrase.

Writing Numerical Expressions

Write the phrase as an expression.

- a. 8 fewer than 21
 - 21 8 The phrase fewer than means subtraction.
- b. the product of 30 and 9
 - 30×9 , or $30 \cdot 9$ The phrase product of means multiplication.

2 Writing Algebraic Expressions

Write the phrase as an expression.

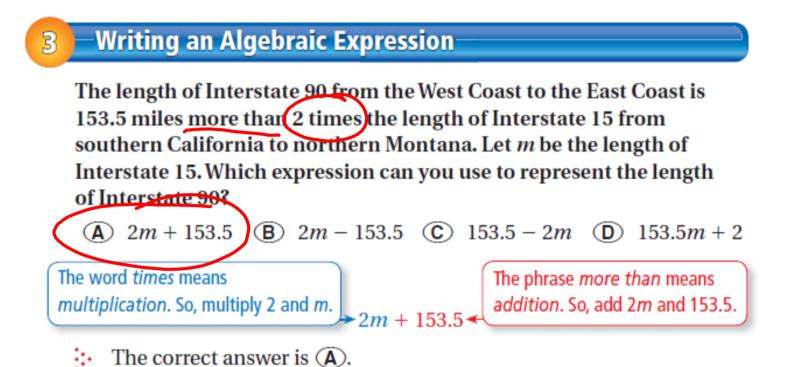
a. 14 more than a number *x*

b. a number *y* minus 75

y - 75 The word minus means subtraction.

c. the quotient of 3 and a number z

 $3 \div z$, or $\frac{3}{z}$ The phrase quotient of means division.

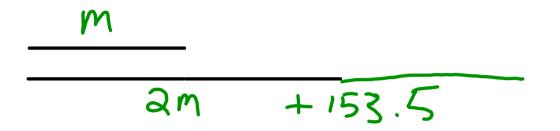


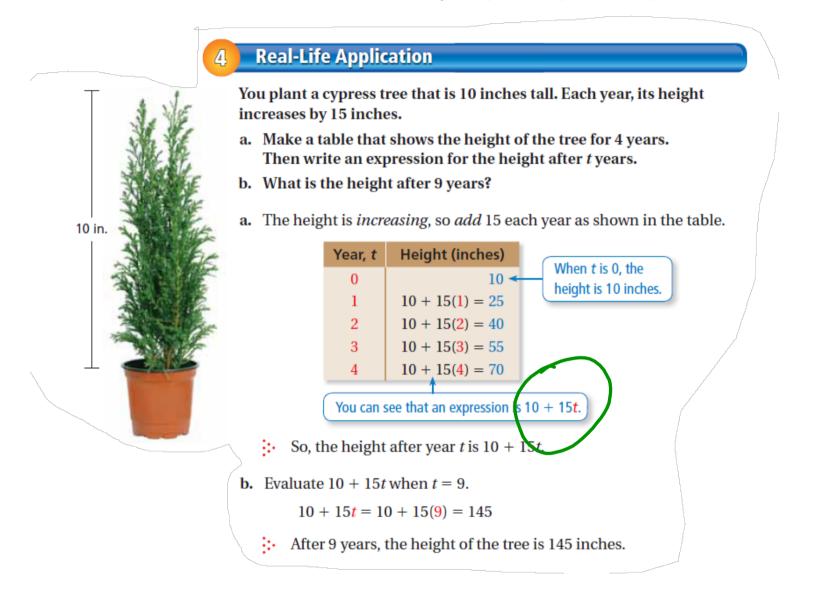
M 153.5+2m

153.5 + 2m

2 _+153.5 \mathbf{m}

M





Assignment

Complete problems 8, 12, 16, 20, 26, 28, 30, & 34 on pages 122 - 123 in your Big Ideas Text Book.

Learning Objective: Students will be able to write an algebraic expression that represented a verbal phrase.

December 2, 2015

Lesson 3.2

Essential Question:

How can you write an expression that represents an unknown quantity?

Lesson 3.2

December 2, 2015

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Homework

In your Big Ideas Record and Practice Journal page 64.