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Name _____   Date _____

Draw a tape diagram and write an expression to represent the statement. Then evaluate your expression.

1. Double the sum of 5.2 and 3.1

2. The difference between 15 and 8.61, divided by 3

Expression:

Value of expression:

Expression:

Value of expression:

3. 3 times as much as the sum of 6.35 and 3.6

4. The sum of two 2.5s and three 4.23s

Expression:

Value of expression:

Expression:

Value of expression:

Write a statement and expression to represent the tape diagram. Then evaluate your expression.

5.

1.25	1.25	1.25	6.5

Statement: _____

Expression: _____

Value of expression: _____

6.

7.82	3.45	7.82	3.45	7.82	3.45

Statement: _____

_____

Expression: _____

Value of expression: _____

7. Consider the statement.

5 times as much as the difference of 10.8 and 3.3

a. Tara makes a mistake when she writes an expression to represent the statement. What mistake does Tara make?

$$(5 \times 10.8) - 3.3$$

b. Write an expression to represent the statement.

c. Evaluate the expression you wrote in part (b).

Write parentheses to make each equation true.

8. $11.6 - 5.4 + 3.05 = 3.15$

9. $2 \times 6.1 + 3.4 = 19$

10. $1.68 = 18 - 12.96 \div 3$

11. $2.25 + 1.5 \times 3.5 + 6.5 = 37.5$

Use >, =, or < to compare the expressions. Explain how you can compare the expressions without evaluating them.

12. $45 \times (1.4 + 2.8)$ _____ $(1.4 + 2.8) \times 4.5$

Explain:

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13. 2.7×3.9 _____ $(2 + 0.7) \times (3 + 0.9)$

Explain:

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14. $(15.4 \times 0.3) - (3.4 \times 0.3)$ _____ $(5.75 \times 3) + (6.25 \times 3)$

Explain: