**6th Grade Common Assessment**

**0606.2.5 – Transform numbers from one form to another (fractions, decimals, percents, and mixed numbers).**

1. The Tennessee state sales tax rate on food is 5.5%. Which decimal is equivalent to 5.5%?

A 0.0055

B 0.055

C 0.55

D 5.5

1. Tennessee has 99 state representatives and 33 state senators. The ratio of senators to representatives is . What is  written as a percent?

A %

B %

C 30%

D %

1. Which of the following statements is false?

A 

B 

C 

D 

**0606.2.7 – Locate positive rational numbers on the number line.**

1. Which point best shows the location of 1.8 on the number line?



A Point *F*

B Point *G*

C Point *H*

D Point *J*

1. Which point shows the location of  on the number line?



A Point *F*

B Point *G*

C Point *H*

D Point *J*

**0606.3.4 – Rewrite expressions to represent quantities in different ways.**

1. Amaya wants to write an expression that is equivalent to the expression below. Which expression could she write?

**5(4 – 2*x*)**

A 4 – 10*x*

B 9 – 2*x*

C 20 – 2*x*

D 20 – 10*x*

1. What is the simplest form of the expression below?

**(3 × *h*) + 9 + (*h* × 5)**

A 8*h* + 9

B 17*h*

C 12 + 5*h*

D 2*h* + 15

**0606.3.5 – Translate between verbal expressions/sentences and algebraic expressions/equations.**

1. Mr. Ortiz’s orange grove has 15 fewer than 3 times the number of orange trees *t* as Mr. Hamilton’s grove. Which expression could be used to find the number of orange trees in Mr. Ortiz’s grove?

A 15 – 3*t*

B 3*t* – 15

C 3*t* + 15

D 15*t* – 3

1. Eight more than twice a number *n* is equal to 42. Which equation expresses this relationship?

A 8 + 2*n* = 42

B 8 + 42 = 2*n*

C 2 × 8 + *n* = 42

D 8 + *n* = 2 × 42

1. A math teacher wrote this expression on the board for the class to translate into words.

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Which of these statements has the same meaning as the expression?

A the quotient of a number *y* and 3 minus the sum of 6 and 9

B 9 more than the difference of 3 times a number *y* and 6

C 9 more than the difference between the quotient of a number *y* and 3 and 6

D 9 more than the sum of 6 and the quotient of a number *y* and 3

**6th Grade Common Assessment**

**Answer Key**

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| **Question Number** | **Answer** | **Skill Number** |
| 1 | B | **0606.2.5 – Transform numbers from one form to another (fractions** |
| 2 | D | **0606.2.5 – Transform numbers from one form to another (fractions** |
| 3 | D | **0606.2.5 – Transform numbers from one form to another (fractions** |
| 4 | C | **0606.2.7 – Locate positive rational numbers on the number line.** |
| 5 | B | **0606.2.7 – Locate positive rational numbers on the number line.** |
| 6 | D | **0606.3.4 – Rewrite expressions to represent quantities in different ways.** |
| 7 | A | **0606.3.4 – Rewrite expressions to represent quantities in different ways.** |
| 8 | B | **0606.3.5 – Translate between verbal expressions/sentences and algebraic expressions/equations.** |
| 9 | A | **0606.3.5 – Translate between verbal expressions/sentences and algebraic expressions/equations.** |
| 10 | C | **0606.3.5 – Translate between verbal expressions/sentences and algebraic expressions/equations.** |