Name_____ Date_____

Fifth Grade Unit 9 Review

1. Which of the following equations is incorrect?

Ⓐ $51 \div 5 = 10\frac{1}{5}$

Ⓑ $47 \div 3 = 15\frac{2}{3}$

Ⓒ $51 \div 4 = 12\frac{3}{4}$

Ⓓ $37 \div 3 = 12\frac{2}{3}$

2. Which situation can be represented by $9 \div \frac{1}{3}$?

Ⓐ Allen has a board that is 9 feet long. He cuts it in thirds. How many feet long is each piece of wood?

Ⓑ Allen has a board that is 9 feet long. He cuts it into pieces that are $\frac{1}{3}$ foot long. How many pieces of board does he have?

Ⓒ Allen has a board that is $\frac{1}{3}$ foot long. He cuts it into 9 pieces. How many pieces of board does Allen have?

Ⓓ Allen has a board that is $\frac{1}{3}$ foot long. He cuts it into 9 equal pieces. How many feet long is each board?

3. Andrew wants to write a division expression using a whole number and a unit fraction that will have a quotient greater than its dividend.

Andrew wrote $\frac{1}{4} \div 7$

Which statement is correct about Andrew's expression?

Ⓐ He is correct, the quotient will be 7 times greater than the dividend.

Ⓑ He is incorrect, the quotient will be smaller than the dividend because he is dividing $\frac{1}{4}$ into 7 pieces.

Ⓒ He is incorrect, the quotient will be the same as the dividend.

Ⓓ He is correct, the quotient will be greater than the dividend because he will have 7 of the $\frac{1}{4}$ sized pieces.

4. David has 3 candy bars. He wants to cut each candy bars into halves. How many $\frac{1}{2}$ sized pieces will he have?

Ⓐ 3

Ⓑ 9

Ⓒ 6

Ⓓ 12

5. An expression is shown

$$\frac{1}{9} \div 4$$

What is the value of the expression?

Ⓐ $\frac{4}{9}$

Ⓑ $\frac{9}{4}$

Ⓒ $\frac{1}{36}$

Ⓓ $\frac{36}{1}$

6. An expression is shown.

$$\frac{1}{2} \times (6 + 7 \times 6)$$

What is the value of the expression?

7. An expression is shown.

$$28 - (4 + 8 \times 4) \times \frac{1}{4}$$

What is the value of the expression?

8. An expression is shown.

$89 \div 12$

Between which two consecutive whole numbers is the quotient?

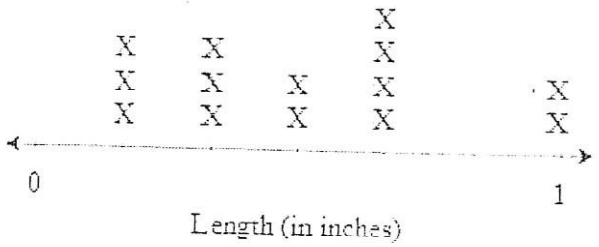
Ⓐ Between 5 and 6

Ⓑ Between 6 and 7

Ⓒ Between 7 and 8

Ⓓ Between 8 and 9

9. Miss Hanlon recorded the length, in inches, of all the beetles she found on a nature walk.



What is the total length, in inches, of all the beetles that were $\frac{4}{6}$ inches long?

Ⓐ $2\frac{1}{6}$

Ⓑ $2\frac{2}{6}$

Ⓒ $2\frac{4}{6}$

Ⓓ $3\frac{2}{6}$

10. Andrea wrote the division equation shown below.

$4 \div \frac{1}{8} = 32$

Which multiplication equation can Andrea use to check her answer?

Ⓐ $\frac{1}{4} \times \frac{1}{8} = \frac{1}{32}$

Ⓑ $32 \times \frac{1}{8} = 4$

Ⓒ $4 \times \frac{1}{8} = \frac{1}{32}$

Ⓓ $4 \times 32 = 64$

11. Donna has $\frac{1}{6}$ of a pound of sugar. She puts the same amount of sugar into 4 containers. Which expression shows how to calculate the amount of sugar in each container?

Ⓐ $4 \div 6$

Ⓑ $4 \div \frac{1}{6}$

Ⓒ $\frac{1}{6} \div 4$

Ⓓ $\frac{1}{6} \div \frac{1}{4}$