

6th Grade Math Common Assessment: Chapter 4

Name: _____ Date _____

6.NS.4

1.) Write the prime factorization of 48. _____

Show work.

2.) Find the greatest common factor of 12, 18, and 60. _____

Show work.

3.) Use the distributive property to write an equivalent expression to $5(x + 3)$.

4.) Consider the sum $36 + 45$.

a.) Use the distributive property to rewrite the sum as the product of a whole number other than 1 and a sum of two whole numbers.

b.) Write the sum as the product of a whole number different from the one you chose in part a and a sum of two whole numbers.

c.) Can this be done in more than two ways? Explain.

5.) Write decimal as a fraction or mixed number. Simplify your answer.

a.) 0.49 _____

b.) 1.80 _____

6.) Write as a decimal. Round to the nearest hundredth.

a.) $\frac{4}{5}$ _____

b.) $\frac{7}{9}$ _____

7.) Find two equivalent fractions of $\frac{7}{8}$.

8.) Write as a mixed number or improper fraction. Solve in simplest form.

a.) $2\frac{7}{9}$ _____

b.) $\frac{11}{3}$ _____

9.) Order from least to greatest.

$$\frac{3}{8}, \frac{5}{12}, \frac{1}{4}$$

