

Name _____

Common Core Standard 8.NS.A.1 – Number System

 Write the fraction in decimal form: $\frac{51}{125}$.

A 0.248

B 0.048

C 0.408

D 0.528

Common Core Standard 8.NS.A.1 – Number System

 Evaluate the expression below by writing the answer in decimal form. Be sure to show your work.

$$\left(\frac{1}{2} \times \frac{4}{5}\right) \times \left(\frac{1}{2} \times \frac{3}{10}\right) =$$

A. 0.12

B. 0.06

C. 0.24

D. 0.15

Common Core Standard 8.NS.A.1 – Number System

 Evaluate the expression below by writing the answer in decimal form. Be sure to show your work.

$$(0.045 - 0.0015) \times (0.897 + 1.103) =$$

A 0.083

B 0.87

C 0.925

D 0.087

Name _____

Common Core Standard 8.NS.A.1 – Number System

Which set of numbers contains at least one irrational number?

A $\sqrt[3]{\frac{8}{27}}$; 400; $\frac{14}{25}$; - 0.19

B $2.\bar{3}$; $\frac{1}{9}$; $\sqrt[3]{64}$; - 13.8

C 0.5; $0.0\bar{9}$; $\sqrt{2}$; -1023

D $17.\bar{6}$; $\frac{18}{9}$; $\sqrt{144}$; $-\frac{1}{3}$

Common Core Standard 8.NS.A.1 – Number System

Find the missing number in the expression. Be sure to show your work.

$$\frac{4}{5} \div \left(\frac{9}{10} \div \frac{1}{\text{?}} \right) = \frac{4}{9}$$

- A 2
- B 5
- C 3
- D 4

Common Core Standard 8.NS.A.1 – Number System

Write the repeating decimal as a fraction: 0.55555555..... Be sure to show your work.

A $\frac{55}{100}$

C $\frac{5}{7}$

B $\frac{5}{9}$

D $\frac{5}{6}$