PRACTICE QUIZ 2

1. Which decimal is the least?

   A. 2.22

   B. 2.02

   C. 2.002

   D. 2.2

2. Write 12.5% as a fraction.

   A. $\dfrac{1}{12}$

   B. $\dfrac{1}{9}$

   C. $\dfrac{1}{8}$

   D. $\dfrac{1}{7}$

3. Write 0.21 as a percent.

   A. 2.1%

   B. 20%

   C. 20.1%

   D. 21%

4. Add $\dfrac{3}{10} + \dfrac{2}{5}$.

   A. $\dfrac{1}{2}$

   B. $\dfrac{4}{5}$

   C. $\dfrac{1}{3}$

D. $\dfrac{7}{10}$

5. Subtract $\dfrac{4}{5} - \dfrac{1}{6}$.

A. $\dfrac{3}{5}$

B. $\dfrac{14}{15}$

C. $\dfrac{5}{6}$

D. $\dfrac{19}{30}$

6. Multiply $\dfrac{6}{7} \times \dfrac{7}{10}$.

A. $\dfrac{1}{17}$

B. $\dfrac{1}{3}$

C. $\dfrac{3}{5}$

D. $\dfrac{13}{17}$

7. Divide $1\dfrac{2}{3} \div 3\dfrac{7}{12}$.

A. $\dfrac{20}{43}$

B. $3\dfrac{7}{18}$

C. $3\dfrac{3}{4}$

D. $5\dfrac{35}{36}$

8. Multiply $3\dfrac{1}{5} \times \dfrac{5}{8}$.

A. 1

B. 2

C. 3

D. 4

9. Which is different from the others?

   A. 6.4%

   B. $\dfrac{8}{125}$

   C. 128:2000

   D. All of the above are equal.

10. What is 36% as a ratio?

    A. 9:25

    B. 36:100

    C. 18:40

    D. 25:9

11. The number 22 is what percent of 54?

    A. 22%

    B. 29%

    C. 41%

    D. 76%

PRACTICE QUIZ 2 — ANSWER KEY

1. C.   The correct solution is 2.002 because 2.002 contains the smallest values in the tenths and hundredths places. See Lesson: Decimals and Fractions.

2. C.   The correct answer is $\dfrac{1}{8}$ because 12.5% as a fraction is $\dfrac{12.5}{100} = \dfrac{125}{1000} = \dfrac{1}{8}$. See Lesson: Decimals and Fractions.

3. D.   The correct answer is 21% because 0.21 as a percent is $0.21 \times 100 = 21\%$. See Lesson: Decimals and Fractions.

4. D.   The correct solution is $\dfrac{7}{10}$ because $\dfrac{3}{10} + \dfrac{2}{5} = \dfrac{3}{10} + \dfrac{4}{10} = \dfrac{3+4}{10} = \dfrac{7}{10}$. See Lesson: Addition and Subtraction of Fractions.

5. D.   The correct solution is $\dfrac{19}{30}$ because $\dfrac{4}{5} - \dfrac{1}{6} = \dfrac{24}{30} - \dfrac{5}{30} = \dfrac{24-5}{30} = \dfrac{19}{30}$. See Lesson: Addition and Subtraction of Fractions.

6. C.   The correct solution is $\dfrac{3}{5}$ because $\dfrac{6}{7} \times \dfrac{7}{10} = \dfrac{42}{70} = \dfrac{3}{5}$. See Lesson:Multiplication and Division of Fractions.

7. A.   The correct answer is $\dfrac{20}{43}$ because $\dfrac{5}{3} \div \dfrac{43}{12} = \dfrac{5}{3} \times \dfrac{12}{43} = \dfrac{60}{129} = \dfrac{20}{43}$. See Lesson: Multiplication and Division of Fractions.

8. B.   The correct solution is 2 because $\dfrac{16}{5} \times \dfrac{5}{8} = \dfrac{80}{40} = 2$. See Lesson:Multiplication and Division of Fractions.

9. D.   All of the answer choices are equal. Although answer C is not in lowest terms, it is equal to $\dfrac{8}{125}$, which is equal to 0.064 or 6.4%. See Lesson: Ratios, Proportions, and Percentages.

10. A.   As a ratio, 36% is 9:25. The most direct route is to convert 36% to a fraction, $\dfrac{36}{100}$, then reduce to lowest terms: $\dfrac{9}{25}$. The equivalent ratio in colon notation is 9:25. See Lesson: Ratios, Proportions, and Percentages.

11. C. The fraction $\dfrac{22}{54}$ is 41%, meaning 22 is 41% of 54. See Lesson: Ratios, Proportions, and Percentages.

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