Chapter 4 Test – Study Guide

Write the letter for the correct answer in the blank at the right of each question.

1. What is $\frac{3}{5}$ as a decimal? **L4-1**
    A. 0.06 **B.** 0.6 **C.** $0.\overline{6}$ **D.** 6

1._____

2. What is $2\frac{4}{9}$ as a decimal? **L4-1**
    F. $2.0\overline{4}$ **G.** $2.\overline{4}$ **H.** $2.\overline{49}$ **I.** $0.\overline{5}$

2. _____

3. What is 0.375 as a fraction in simplest form? **L4-1**
    A. $\frac{1}{8}$ **B.** $\frac{3}{8}$ **C.** $\frac{5}{16}$ **D.** $\frac{2}{5}$

3. _____

4. What is the LCD of $\frac{11}{15}$ and $\frac{5}{6}$? **L4-2**

    F. 90 **G.** 60 **H.** 30 **I.** 3

4. _____

5. Which symbol makes $6\frac{15}{28}$ ⬤ $6\frac{5}{9}$ a true sentence? **L4-2**
    A. $<$ **B.** $>$ **C.** $=$ **D.** $\times$

5. _____

6. Which symbol makes $-\frac{3}{4}$ ⬤ $-\frac{11}{12}$ a true sentence? **L4-2**
    F. $<$ **G.** $>$ **H.** $=$ **I.** $\div$

6. _____

7. Mario made six batches of cookies. His friends asked him to make an extra batch. He used $15\frac{3}{4}$ cups of sugar and needs another $\frac{5}{8}$ cups for the extra batch. How many cups of sugar will Mario use altogether? **L4-4**

    A. $17\frac{1}{4}$ **B.** $16\frac{3}{8}$ **C.** $\frac{128}{8}$ **D.** $15\frac{1}{8}$

7. _____

For Exercises 8 -13, what is the value of each expression in simplest form?

8. $\frac{1}{8} + \left(-\frac{3}{16}\right)$ **L4-4**

    F. $\frac{4}{24}$ **G.** $\frac{5}{16}$ **H.** $-\frac{5}{16}$ **I.** $-\frac{1}{16}$

8. _____

9. $8\frac{2}{7} + 10\frac{4}{7}$ **L4-5**

    A. $18\frac{3}{7}$ **B.** $18\frac{8}{49}$ **C.** $18\frac{6}{7}$ **D.** $18\frac{8}{7}$

9. _____

10. $\frac{2}{21} \times \frac{7}{5}$ **L4-6**

    F. $\frac{7}{13}$ **G.** $\frac{9}{26}$ **H.** $\frac{3}{35}$ **I.** $\frac{2}{15}$

10. _____

(continued)

11. $\frac{7}{8} - \frac{3}{8}$ **L4-3**

   A. $\frac{1}{2}$ **B.** $\frac{4}{0}$ **C.** $\frac{1}{16}$ **D.** $\frac{5}{4}$

11._____

12. $4\frac{7}{9} - 3\frac{2}{3}$ **L4-5**

   F. $1\frac{5}{6}$ **G.** $1\frac{1}{3}$ **H.** $1\frac{1}{9}$ **I.** $\frac{8}{9}$

12._____

13. $\frac{3}{4} \div 4\frac{1}{4}$ **L4-8**

   A. $\frac{3}{17}$ **B.** $3\frac{1}{4}$ **C.** $3\frac{3}{16}$ **D.** $\frac{17}{3}$

13._____

14. Michaela walked $\frac{2}{5}$ mile to the store in $\frac{1}{4}$ hour. What is her walking pace? **L4-8**

   F. $\frac{1}{10}$ mile per hour   **G.** $\frac{5}{8}$ mile per hour

   H. $1\frac{3}{5}$ miles per hour   **I.** $2\frac{1}{2}$ miles per hour

14._____

15. Tameron made a recipe that called for $\frac{1}{4}$ teaspoon of salt. If the recipe is doubled, how much salt is needed? **L4-6**

   A. $\frac{1}{12}$ tsp   **B.** $\frac{1}{8}$ tsp   **C.** $\frac{1}{4}$ tsp   **D.** $\frac{1}{2}$ tsp

15._____

16. Eliot and his friends ate $\frac{3}{8}$ of a pie. If the pie was cut into eight pieces, how much pie is left over? **L4-8**

   F. $\frac{5}{8}$ **G.** $\frac{2}{8}$ **H.** $\frac{1}{4}$ **I.** $\frac{3}{8}$

16._____

Complete. Round to the nearest hundredth if necessary. L4-7

17. 37 mL ≈_____ fl oz

   A. 29.57   **B.** 6.39   **C.** 0.80   **D.** 1.25

17._____

18. 47 kg ≈_____ lb

   F. 103.62   **G.** 103.4   **H.** 21.32   **I.** 21.37

18._____

19. 78 ft ≈_____ m

   A. 260   **B.** 85.71   **C.** 23.4   **D.** 70.98

19._____