

# UNIT TEST Lessons 17-23



Solve.

$$\begin{array}{r} 1. \quad 3\frac{3}{8} \\ + 4\frac{1}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 7\frac{3}{5} \\ + 4\frac{4}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 15\frac{2}{7} \\ + 11\frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 8\frac{5}{6} \\ + 5\frac{2}{3} \\ \hline \end{array}$$

Solve.

$$\begin{array}{r} 5. \quad 9\frac{7}{8} \\ - 3\frac{5}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 3 \\ - 1\frac{2}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 35\frac{1}{4} \\ - 21\frac{2}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 7\frac{1}{6} \\ - 6\frac{3}{7} \\ \hline \end{array}$$

Fill in the blanks. Include a fraction in the answer if the problem does not divide evenly.

9. 48 oz = \_\_\_\_ lb

10. 23 pt = \_\_\_\_ qt

11. 9 yd = \_\_\_\_ ft

12. 4 lb = \_\_\_\_ oz

13. 16 qt = \_\_\_\_ pt

14. 20 qt = \_\_\_\_ gal

Divide using the reciprocal and then check your work by using the Rule of Four.

Reciprocal

15.  $\frac{3}{6} \div \frac{1}{2} =$

Rule of Four

16.  $\frac{3}{6} \div \frac{1}{2} =$

17.  $\frac{5}{8} \div \frac{2}{3} =$

18.  $\frac{5}{8} \div \frac{2}{3} =$

Convert any mixed numbers to improper fractions and divide using the reciprocal.

19.  $6\frac{1}{3} \div 2\frac{3}{8} =$

20.  $2\frac{3}{5} \div 1\frac{9}{10} =$

21.  $5\frac{5}{6} \div \frac{5}{6} =$

22.  $3\frac{1}{2} \div 1\frac{3}{7} =$

23. What is the reciprocal of 8?
24. A pool is 15 feet long, 10 feet wide, and 6 feet deep. How many cubic feet of water are required to fill it to the brim?
25. Joseph has  $4\frac{1}{2}$  pizzas for his party. If there are eight people to serve, how much pizza can each one have?
26. Christopher jogged  $2\frac{1}{3}$  miles and ran  $1\frac{5}{6}$  miles. How far did he run altogether?
27. At the beginning of the day, Ethan had  $5\frac{1}{2}$  rows to weed in his garden. If he has finished  $2\frac{2}{3}$  rows, how much is left to do?
28. Mental Math! 8 times 6, minus 4, divided by 2, plus 3, equals \_\_\_\_\_ .