

Chapter 1: Percents, Decimals, & Fractions

1.7 Multiplying and Dividing Fractions

Sponge Problems

- Convert 95° Fahrenheit to Celsius using the formula $C = \frac{5}{9}(F - 32)$. (M8.B.1.1.4)
 - 20.7°
 - 35°
 - 70.5°
 - 113.4°
- In a quadrilateral, two angles have a measure of 85° and the third angle is 45° . What is the measure of the remaining angle? (M8.B.2.1.2)
 - 45°
 - 50°
 - 85°
 - 145°

Review Problems

Add or Subtract.

$$3. \frac{3}{8} + \frac{5}{8}$$

$$4. \frac{2}{3} - \frac{3}{8}$$

$$5. 2\frac{1}{2} + 3\frac{3}{8}$$

$$6. 4\frac{3}{4} - \frac{11}{12}$$

1.7 Problem Set

Multiply or Divide. Write all answers as proper fractions or mixed numbers.

$$7. \frac{3}{4} \cdot \frac{2}{3}$$

$$8. \frac{1}{5} \cdot \frac{5}{8}$$

$$9. \frac{1}{6} \div \frac{1}{3}$$

$$10. \frac{2}{3} \div \frac{2}{3}$$

$$11. \frac{9}{10} \div \frac{4}{5}$$

$$12. \frac{1}{12} \cdot \frac{3}{4}$$

$$13. \frac{3}{8} \cdot \frac{1}{8}$$

$$14. \frac{5}{6} \div \frac{1}{4}$$

$$15. \frac{1}{4} \cdot \frac{1}{2}$$

$$16. \frac{7}{10} \div \frac{5}{8}$$

$$17. \frac{3}{4} \div \frac{1}{2}$$

$$18. \frac{5}{6} \cdot \frac{3}{10}$$

$$19. \frac{2}{5} \div \frac{4}{5}$$

$$20. \frac{9}{10} \cdot \frac{1}{3}$$

$$21. \frac{1}{4} \div \frac{7}{8}$$

$$22. \frac{3}{16} \cdot \frac{2}{5}$$

$$23. \frac{2}{5} \div 20$$

$$24. 18 \cdot \frac{1}{3}$$

$$25. \frac{1}{10} \cdot 6$$

$$26. 24 \div \frac{3}{8}$$

$$27. 5\frac{1}{2} \cdot \frac{9}{16}$$

$$28. 8\frac{1}{4} \div \frac{3}{10}$$

$$29. 1\frac{7}{8} \cdot 2\frac{1}{3}$$

$$30. 3\frac{3}{4} \div 6\frac{1}{2}$$