

Name _____

Mixed Numbers and Unit Fractions

Write each mixed number as the product of a whole number and a unit fraction.

1. $1\frac{1}{3}$

2. $3\frac{1}{2}$

3. $1\frac{3}{5}$


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

5. $3\frac{3}{4}$

6. $5\frac{2}{3}$

7. $4\frac{2}{5}$

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

9.  **Write Math** Explain how you found the answer in Exercise 1.

Name _____

Multiples of Mixed Numbers

List the next three multiples of the mixed number. Write each multiple as a mixed number or as a whole number.

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

2. $2\frac{1}{2}$

3. $1\frac{2}{3}$


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

5. $3\frac{1}{5}$

6. $1\frac{1}{4}$

7. $1\frac{3}{5}$

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

9.  **Write Math** Describe a method other than multiplication that you can use to find the next three multiples of the mixed number in Exercise 7.

Name _____

Fraction of a Whole Number

Find the product. Write the product as a whole number.

1. $\frac{1}{8} \times 24 =$

2. $\frac{2}{3} \times 15 =$

3. $\frac{3}{5} \times 10 =$

4. $\frac{4}{7} \times 14 =$

5. $\frac{5}{6} \times 18 =$

6. $\frac{3}{4} \times 16 =$

7. $\frac{2}{9} \times 27 =$


8. $\frac{7}{8} \times 32 =$

9. $\frac{9}{10} \times 50 =$

10. $\frac{4}{5} \times 45 =$

11. $\frac{5}{12} \times 60 =$

12. $\frac{8}{9} \times 54 =$

13.  **Write Math** Explain how you can tell if the product of a fraction and a whole number will be a whole number.

Name _____

Unknown Numbers

Find the unknown number that makes each equation true.

1. $\blacksquare \times \frac{3}{4} = 2\frac{1}{4}$


2. $4 \times \frac{\blacksquare}{5} = 1\frac{3}{5}$

3. $7 \times \blacksquare = 1\frac{5}{9}$

4. $2 \times \blacksquare \frac{1}{3} = 6\frac{2}{3}$

5. $\blacksquare \times 1\frac{5}{6} = 9\frac{1}{6}$

6. $\blacksquare \times 2\frac{2}{7} = 13\frac{5}{7}$

7.  **Write Math** **Explain** how you found the unknown number in Exercise 3.

Name _____

Heights and Depths

Solve each problem. You may find it helpful to draw a diagram.

1. The depth of Lake Carl is about $1\frac{1}{8}$ miles. Lake Susan is 3 times as deep as Lake Carl. Lake Wayne is 2 times as deep as Lake Susan. How much deeper is Lake Wayne than Lake Susan?

2. Mount Rogers rises $\frac{1}{4}$ mile above sea level. Mount Taylor rises 6 times as high as Mount Rogers. Mount Sullivan rises 2 times as high as Mount Rogers. What is the difference in the elevation of Mount Taylor and the elevation of Mount Sullivan?

3. A certain tree was $5\frac{1}{3}$ feet tall when it was first planted. A few years later, the tree is 4 times as tall as it was when it was first planted. How much has the tree grown since it was first planted?

4.  **Write Math** **Explain** how you solved Problem 3.
