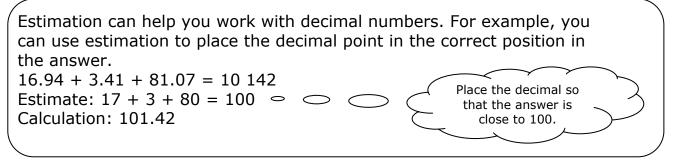


Date:

Working With Decimal Numbers

Chapter 2

Get Read

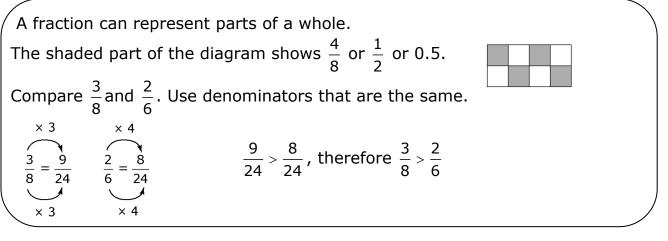


1. Without calculating the answer, place the decimal point in the correct position to make a true statement.

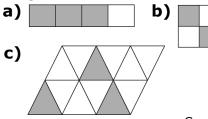
a) 149.8 ÷ 0.98 = 15285714
b) 2.7 × 100.9 = 272430
c) 40.6 × 9.61 = 39016600
d) 317 ÷ 99 = 32020202

- **2.** Is 349×0.9 greater than, less than, or equal to 349? How do you know?
- 3. You know that 48 ÷ 16 = 3. Without finding the exact answer, tell whether the answer to 48 ÷ 15 is greater than, less than, or equal to 3. Explain how you know.

Understanding Fractions



4. Give the fraction and decimal value for the shaded part of each diagram.



5. Compare each set of fractions by arranging them from smallest to largest.

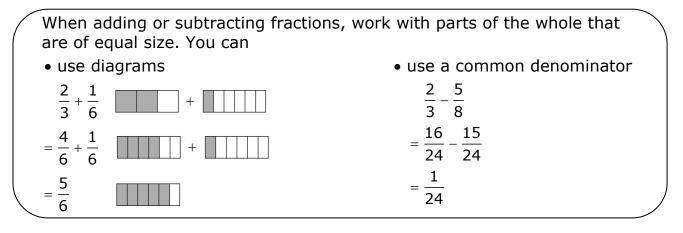
a)
$$\frac{3}{4}$$
 and $\frac{7}{10}$ **b)** $\frac{3}{8}$, $\frac{2}{7}$, and $\frac{1}{3}$

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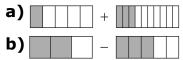


Adding or Subtracting Fractions

Name:



6. Write each statement shown by the fraction strips.



7. Find the sum or difference. Give your answer in lowest terms.

a)
$$\frac{1}{2} + \frac{3}{8}$$
 b) $\frac{5}{8} + \frac{1}{3}$
c) $\frac{5}{6} - \frac{3}{4}$ **d**) $\frac{5}{8} - \frac{5}{12}$

Multiplying and Dividing Fractions

To multiply two proper fractions, you can multiply the numerators and multiply the denominators. $\frac{1}{2} \times \frac{2}{3} = \frac{1 \times 2}{2 \times 3}$ $= \frac{2}{6} \text{ or } \frac{1}{3}$ To divide two fractions, you can • use a common denominator and divide the numerators $\frac{7}{10} \div \frac{2}{5} = \frac{7}{10} \div \frac{4}{10}$ $= \frac{7}{4} \text{ or } 1\frac{3}{4}$ • multiply by the reciprocal of the second fraction $\frac{7}{10} \div \frac{2}{5} = \frac{7}{10} \times \frac{5}{2}$ $= \frac{35}{20} \text{ or } \frac{7}{4} \text{ or } 1\frac{3}{4}$

- **8.** Multiply. Give your answer in lowest terms.
 - **a)** $\frac{3}{4} \times \frac{5}{6}$ **b)** $\frac{2}{3} \times \frac{3}{8}$ **c)** $\frac{11}{2} \times \frac{3}{4}$
- 9. Divide.

a)
$$\frac{5}{12} \div \frac{3}{4}$$
 b) $\frac{3}{5} \div \frac{9}{10}$ **c)** $1\frac{2}{3} \div \frac{1}{2}$