

# Fractions. Say it again. Fraaactionssss.

Complete all parts without a calculator.

A. Write as an improper fraction.

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

2.  $4\frac{1}{5}$

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

4.  $2\frac{3}{16}$

B. Write as a mixed number.

1.  $\frac{10}{4}$

2.  $\frac{19}{2}$

3.  $\frac{25}{3}$

4.  $\frac{9}{8}$

C. Write in lowest terms (change to improper fraction if necessary).

1.  $\frac{6}{32}$

2.  $\frac{21}{35}$

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

4.  $\frac{12}{15}$

D. Find the missing numerator by raising the fraction to higher terms (change to improper fraction if necessary).

1.  $\frac{3}{4} = \frac{?}{12}$

2.  $\frac{7}{16} = \frac{?}{64}$

3.  $\frac{5}{8} = \frac{?}{48}$

4.  $\frac{5}{9} = \frac{?}{72}$

E. Convert the following fractions into decimals.

1.  $\frac{2}{3}$       2.  $\frac{1}{8}$       3.  $\frac{4}{5}$       4.  $\frac{5}{6}$       5.  $\frac{7}{16}$       6.  $\frac{9}{16}$

F. Convert the following decimals to fractions.

1. .225      2. .375      3. .0175      4. .95      5. .5      6. .45

G. Multiply (change to improper fraction if necessary).

1.  $\frac{1}{9} \times \frac{1}{2} =$       2.  $\frac{7}{10} \times \frac{2}{5} =$       3.  $\frac{3}{8} \times \frac{2}{7} =$       4.  $\frac{1}{2} \times \frac{3}{16} =$

5.  $\frac{3}{4} \times \frac{2}{3} =$       6.  $\frac{7}{16} \times \frac{4}{3} =$       7.  $\frac{15}{64} \times \frac{1}{12} =$       8.  $\frac{2}{9} \times \frac{5}{9} =$

H. Divide as shown (change to improper fraction if necessary).

1.  $\frac{1}{2} \div \frac{1}{4} =$       2.  $\frac{2}{5} \div \frac{1}{2} =$       3.  $\frac{8}{3} \div \frac{2}{3} =$       4.  $\frac{2}{9} \div \frac{1}{3} =$

5.  $4 \div \frac{1}{8} =$       6.  $8 \div \frac{4}{5} =$       7.  $9 \div \frac{3}{4} =$       8.  $\frac{6}{5} \div \frac{4}{5} =$

I. Add or subtract as shown (change to improper fraction if necessary).

1.  $\frac{3}{8} + \frac{7}{8} =$

2.  $\frac{2}{3} + \frac{3}{4} =$

3.  $\frac{3}{32} + \frac{1}{8} =$

4.  $\frac{3}{5} + \frac{5}{6} =$

5.  $\frac{5}{8} - \frac{1}{10} =$

6.  $\frac{3}{8} - 1\frac{1}{4} =$

7.  $\frac{1}{4} - \frac{1}{5} =$

8.  $2\frac{1}{8} - 1\frac{1}{4} =$

J. Solve the word problems below using fractions.

1. The Cooper family decided to hike to Hillside Lake, approximately  $8\frac{5}{8}$  miles away. After an hour the lake was still  $5\frac{1}{3}$  miles away. How far did the group hike so far?

2. While riding her bike, Susan burns 450 calories every  $\frac{1}{2}$  hour. Based on this rate, how many calories will Susan burn if she rides the bike for  $1\frac{3}{4}$ ?

3. Last Friday Tony worked for  $7\frac{1}{2}$  hours. Express this time as a fraction of the day.

4. When an oil tank is  $\frac{7}{12}$  full, it contains  $5\frac{1}{4}$  gallons. How many gallons does it hold when full?