

Name: _____

Set 1: Equivalent Fractions

Write the missing numbers to find equivalent fractions.

1 $\frac{1 \times \square}{4 \times \square} = \frac{\square}{8}$

2 $\frac{1 \times \square}{2 \times \square} = \frac{5}{\square}$

3 $\frac{8 \div \square}{12 \div \square} = \frac{2}{\square}$

4 $\frac{1 \times \square}{3 \times 2} = \frac{\square}{\square}$

5 $\frac{3 \times 3}{4 \times \square} = \frac{\square}{\square}$

6 $\frac{1 \times \square}{3 \times \square} = \frac{4}{\square}$

Set 2: Compare Fractions

Compare the fractions using $<$, $>$, or $=$. Show your work.

1 $\frac{3}{4}$ and $\frac{7}{8}$

2 $\frac{2}{3}$ and $\frac{3}{8}$

3 $\frac{3}{5}$ and $\frac{6}{10}$

4 $\frac{5}{6}$ and $\frac{4}{3}$

5 $\frac{2}{6}$ and $\frac{1}{4}$

6 $\frac{1}{3}$ and $\frac{2}{6}$

Set 3: Add and Subtract Fractions

Solve problems 1–4.

1 What is $\frac{1}{5}$ more than $\frac{3}{5}$?

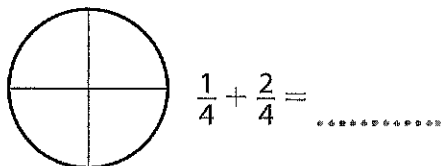
2 What is $\frac{1}{5}$ less than $\frac{3}{5}$?

3 $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} =$

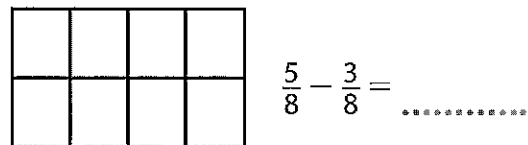
4 $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} =$

Use the area models to show adding or subtracting fractions for problems 5 and 6.

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



6 Show $\frac{5}{8} - \frac{3}{8}$.



Set 4: Decompose Fractions

Complete the equations to show a way to decompose each fraction.

1 $\frac{5}{8} = \frac{1}{8} + \frac{2}{8} + \dots\dots\dots$

2 $\frac{6}{5} = \frac{4}{5} + \dots\dots\dots$

3 $\dots\dots\dots + \frac{1}{4} = \frac{4}{4}$

4 $\frac{7}{12} = \frac{1}{12} + \frac{2}{12} + \dots\dots\dots$

5 $\frac{45}{100} = \frac{40}{100} + \dots\dots\dots$

6 $\dots\dots\dots + \frac{7}{10} = \frac{13}{10}$

7 $\frac{12}{100} = \frac{3}{100} + \frac{4}{100} + \dots\dots\dots$

8 $3\frac{1}{4} = \frac{7}{4} + \dots\dots\dots$

9 $\dots\dots\dots + \frac{4}{6} = 1\frac{3}{6}$

Set 5: Add and Subtract Fractions in Word Problems

Add or subtract to solve the problems. Show your work.

1 Laura eats $\frac{2}{8}$ of a pizza. Hugo eats $\frac{3}{8}$ of the pizza. What fraction of the pizza do they eat altogether?

2 Josefa has $\frac{4}{5}$ of a pound of blackberries. She gives $\frac{1}{5}$ of a pound of blackberries away. How many pounds of blackberries does she have left?

3 Deion has weeded $\frac{7}{12}$ of his yard. Deion wants to weed the whole yard. What fraction of the yard is left to be weeded?

4 Nicole walks $\frac{1}{4}$ of a mile to school and $\frac{1}{4}$ of a mile home. How far does she walk in total?

5 Rodrigo needs $\frac{1}{6}$ of a cup of walnuts to make salad, and $\frac{4}{6}$ of a cup of walnuts to make muffins. How many cups of walnuts does he need altogether?

6 Diane cuts an apple into 8 equal-sized pieces. She eats $\frac{3}{8}$ of the apple. Her friend eats $\frac{1}{8}$ of the apple. What fraction of the apple is left?