

Ws 189

DO on LOOSE LEAF

Write all sums in simplest form.

Write improper fractions as mixed numbers.

1. Find a common denominator for each pair of fractions.

a) $\frac{1}{2}$ and $\frac{5}{8}$ b) $\frac{1}{8}$ and $\frac{2}{3}$ c) $\frac{2}{3}$ and $\frac{1}{9}$ d) $\frac{3}{5}$ and $\frac{2}{3}$

2. Copy and complete. Replace each \square with a digit to make each equation true.

a) $\frac{3}{12} = \frac{\square}{4}$ b) $\frac{3}{4} = \frac{6}{\square}$ c) $\frac{3}{6} = \frac{\square}{4}$ d) $\frac{6}{8} = \frac{15}{\square}$

3. Add. Sketch a number line to model each sum.

a) $\frac{4}{9} + \frac{1}{3}$ b) $\frac{1}{2} + \frac{1}{3}$ c) $\frac{3}{8} + \frac{3}{2}$ d) $\frac{3}{4} + \frac{1}{6}$

4. Estimate, then add.

a) $\frac{3}{5} + \frac{4}{8}$ b) $\frac{1}{6} + \frac{5}{8}$ c) $\frac{5}{6} + \frac{7}{9}$
 d) $\frac{3}{4} + \frac{4}{7}$ e) $\frac{1}{3} + \frac{2}{5}$ f) $\frac{1}{5} + \frac{5}{6}$

5. One page of a magazine had 2 advertisements.

One was $\frac{1}{8}$ of the page, the other $\frac{1}{16}$.

What fraction of the page was covered?

Show your work.



6. Which sum is greater? Show your thinking.

$$\frac{2}{3} + \frac{5}{6} \quad \text{or} \quad \frac{3}{4} + \frac{4}{5}$$

Ws 189

7. **Assessment Focus** Three people shared a pie.
Which statement is true? Can both statements be true?
Use pictures to show your thinking.

a) Edna ate $\frac{1}{10}$, Farrah ate $\frac{3}{5}$, and Ferris ate $\frac{1}{2}$.

b) Edna ate $\frac{3}{10}$, Farrah ate $\frac{1}{5}$, and Ferris ate $\frac{1}{2}$.

8. Damara and Baldwin had to shovel snow to clear their driveway.
Damara shovelled about $\frac{3}{10}$ of the driveway.
Baldwin shovelled about $\frac{2}{3}$ of the driveway.
What fraction of the driveway was cleared of snow?

9. Each fraction below is written as the sum of two unit fractions.
Which sums are correct? Why do you think so?

a) $\frac{7}{10} = \frac{1}{5} + \frac{1}{2}$

b) $\frac{5}{12} = \frac{1}{3} + \frac{1}{4}$

c) $\frac{5}{6} = \frac{1}{3} + \frac{1}{3}$

d) $\frac{7}{12} = \frac{1}{2} + \frac{1}{6}$

e) $\frac{11}{18} = \frac{1}{2} + \frac{1}{9}$

f) $\frac{2}{15} = \frac{1}{10} + \frac{1}{30}$

A fraction with
numerator 1 is a
unit fraction.

10. **Take It Further** Add.

a) $\frac{3}{8} + \frac{1}{2} + \frac{3}{4}$

b) $\frac{1}{4} + \frac{3}{2} + \frac{2}{5}$

c) $\frac{2}{3} + \frac{5}{6} + \frac{4}{9}$