

# Add and Subtract Fractions

## Unit Review (page 1 of 2)

1. Write the fraction as a sum of unit fractions.



$$\frac{3}{10} = \underline{\hspace{2cm}}$$

2. Write the sum as one fraction.

$$\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} = \frac{\boxed{\phantom{00}}}{12}$$

3. Break the fraction apart two different ways.



$$\frac{5}{8} = \frac{\boxed{\phantom{00}}}{8} + \frac{\boxed{\phantom{00}}}{8}$$

$$\frac{5}{8} = \frac{\boxed{\phantom{00}}}{8} + \frac{\boxed{\phantom{00}}}{8}$$

4. Write an addition for the gray and dotted parts.



$$\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} + \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

5. Write the subtraction the jump shows.



$$\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} - \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

6. Write each fraction as a mixed number. Write each mixed number as a fraction.

$$\frac{9}{5} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \quad \frac{17}{6} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

$$2\frac{2}{5} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \quad 3\frac{1}{4} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

# Add and Subtract Fractions

## Unit Review (page 2 of 2)

7. Add. Write each sum as a mixed number.

$$2\frac{2}{5} + 1\frac{1}{5} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

$$1\frac{7}{12} + 2\frac{6}{12} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

8. Subtract. Write each answer as a mixed number.

$$3 - 1\frac{1}{4} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

$$5\frac{7}{10} - 2\frac{4}{10} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

9. Use benchmarks. Does each answer make sense? Circle Yes or No.

Eli says  $\frac{1}{2} + \frac{1}{2} = 1$ .

Yes  
No

Zoe says  $\frac{11}{12} - \frac{7}{12} = \frac{18}{12}$ .

Yes  
No

10. Write an equation for the story.  
Then write the answer.

Jo ran  $1\frac{3}{10}$  miles on Monday and  $2\frac{4}{10}$  miles on Tuesday. How far did she run in all?

Equation: \_\_\_\_\_

Answer:  miles

11. Write an equation for the story.  
Then write the answer.

A bag holds  $3\frac{2}{8}$  pounds of apples.  
Max uses  $1\frac{5}{8}$  pounds for a pie. How many pounds are left?

Equation: \_\_\_\_\_

Answer:  pounds

# Add and Subtract Fractions

Unit Review (page 1 of 2)

1. Write the fraction as a sum of unit fractions.



$$\frac{3}{10} = \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$$

Lesson 8.1 · Sums of unit fractions

2. Write the sum as one fraction.

$$\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} = \frac{4}{12}$$

Lesson 8.1 · Sums of unit fractions

3. Break the fraction apart two different ways.



$$\frac{5}{8} = \frac{1}{8} + \frac{4}{8}$$

$$\frac{5}{8} = \frac{2}{8} + \frac{3}{8}$$

One way each

Lesson 8.2 · Break a fraction apart

4. Write an addition for the gray and dotted parts.



$$\frac{1}{12} + \frac{6}{12} = \frac{7}{12}$$

either order

Lesson 8.3 · Add fractions

5. Write the subtraction the jump shows.



$$\frac{6}{8} - \frac{1}{8} = \frac{5}{8}$$

Lesson 8.4 · Subtract fractions

6. Write each fraction as a mixed number. Write each mixed number as a fraction.

$$\frac{9}{5} = 1\frac{4}{5} \quad \frac{17}{6} = 2\frac{5}{6}$$

$$2\frac{2}{5} = \frac{12}{5} \quad 3\frac{1}{4} = \frac{13}{4}$$

Lesson 8.5 · Mixed numbers and fractions greater than 1

# Add and Subtract Fractions

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7. Add. Write each sum as a mixed number.

$$2\frac{2}{5} + 1\frac{1}{5} = 3\frac{3}{5}$$

$$1\frac{7}{12} + 2\frac{6}{12} = 4\frac{1}{12}$$

Lesson 8.6 · Add mixed numbers

8. Subtract. Write each answer as a mixed number.

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

$$5\frac{7}{10} - 2\frac{4}{10} = 3\frac{3}{10}$$

Lesson 8.7 · Subtract mixed numbers

9. Use benchmarks. Does each answer make sense? Circle Yes or No.

Eli says  $\frac{1}{2} + \frac{1}{2} = 1$ .

Yes

No

Zoe says  $\frac{11}{12} - \frac{7}{12} = \frac{18}{12}$ .

Yes

No

Lesson 8.8 · Does the answer make sense?

10. Write an equation for the story.  
Then write the answer.

Jo ran  $1\frac{3}{10}$  miles on Monday and  $2\frac{4}{10}$  miles on Tuesday. How far did she run in all?

Equation:  $1\frac{3}{10} + 2\frac{4}{10} = 3\frac{7}{10}$   
One way

Answer:  $3\frac{7}{10}$  miles

Lesson 8.9 · Fraction story problems

11. Write an equation for the story.  
Then write the answer.

A bag holds  $3\frac{2}{8}$  pounds of apples.  
Max uses  $1\frac{5}{8}$  pounds for a pie. How many pounds are left?

Equation:  $3\frac{2}{8} - 1\frac{5}{8} = 1\frac{5}{8}$   
One way

Answer:  $1\frac{5}{8}$  pounds

Lesson 8.9 · Fraction story problems