

## Review Exercises

1. 
$$\begin{array}{r} \frac{7}{12} \\ + \frac{9}{12} \\ \hline \end{array}$$

2. 
$$\begin{array}{r} \frac{15}{16} \\ - \frac{11}{16} \\ \hline \end{array}$$

3. Find the least common denominator for  $\frac{5}{6}$  and  $\frac{7}{15}$ .

6. 
$$\begin{array}{r} \frac{5}{2} \\ \frac{3}{2} \\ + \frac{7}{2} \\ \hline \end{array}$$

4. Reduce  $\frac{56}{70}$  to its lowest terms.

5. Change  $\frac{57}{11}$  to a mixed number.

### Helpful Hints

To add fractions with unlike denominators, find the least common denominator. Multiply each fraction by one to make equivalent fractions. Finally, add.

**Examples:**

$$\begin{array}{r} \frac{2}{5} \times \frac{2}{2} = \frac{4}{10} \\ + \frac{1}{2} \times \frac{5}{5} = \frac{5}{10} \\ \hline \frac{9}{10} \end{array} \qquad \begin{array}{r} \frac{5}{6} \times \frac{2}{2} = \frac{10}{12} \\ + \frac{1}{4} \times \frac{3}{3} = \frac{3}{12} \\ \hline \frac{13}{12} = 1 \frac{1}{12} \end{array}$$

S1. 
$$\begin{array}{r} \frac{1}{3} \\ + \frac{1}{4} \\ \hline \end{array}$$

S2. 
$$\begin{array}{r} \frac{3}{5} \\ + \frac{7}{10} \\ \hline \end{array}$$

1. 
$$\begin{array}{r} \frac{5}{9} \\ + \frac{1}{3} \\ \hline \end{array}$$

2. 
$$\begin{array}{r} \frac{2}{3} \\ + \frac{1}{2} \\ \hline \end{array}$$

3. 
$$\begin{array}{r} \frac{1}{4} \\ + \frac{2}{3} \\ \hline \end{array}$$

4. 
$$\begin{array}{r} \frac{3}{4} \\ + \frac{2}{3} \\ \hline \end{array}$$

5. 
$$\begin{array}{r} \frac{5}{6} \\ + \frac{5}{12} \\ \hline \end{array}$$

6. 
$$\begin{array}{r} \frac{1}{2} \\ + \frac{3}{4} \\ \hline \end{array}$$

7. 
$$\begin{array}{r} \frac{1}{6} \\ + \frac{3}{4} \\ \hline \end{array}$$

8. 
$$\begin{array}{r} \frac{7}{9} \\ + \frac{1}{4} \\ \hline \end{array}$$

9. 
$$\begin{array}{r} \frac{7}{11} \\ + \frac{1}{2} \\ \hline \end{array}$$

10. 
$$\begin{array}{r} \frac{3}{8} \\ + \frac{1}{6} \\ \hline \end{array}$$

1. \_\_\_\_\_
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9. \_\_\_\_\_
10. \_\_\_\_\_

### Problem Solving

Frankie worked for  $7\frac{1}{4}$  hours on Tuesday and  $5\frac{3}{4}$  on Wednesday. How many more hours did he work on Tuesday than on Wednesday?

Score \_\_\_\_\_

## Review Exercises

1. 
$$\begin{array}{r} \frac{9}{10} \\ + \frac{3}{10} \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 3\frac{3}{8} \\ + 4\frac{7}{8} \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 5 \\ - \frac{14}{20} \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 6 \\ - 3\frac{3}{8} \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 7\frac{1}{4} \\ - 2\frac{3}{4} \\ \hline \end{array}$$

6. Find the least common denominator for  $\frac{5}{8}$ ,  $\frac{1}{3}$  and  $\frac{7}{12}$ .

### Helpful Hints

Use what you have learned to solve the following problems.  
\*Remember, Change all improper fractions to mixed numerals. Reduce all fractions to lowest terms.

<p>S1. <math display="block">\begin{array}{r} \frac{2}{3} \\ + \frac{1}{9} \\ \hline \end{array}</math></p>	<p>S2. <math display="block">\begin{array}{r} \frac{3}{4} \\ + \frac{5}{6} \\ \hline \end{array}</math></p>	<p>1. <math display="block">\begin{array}{r} \frac{7}{12} \\ + \frac{1}{3} \\ \hline \end{array}</math></p>	<p>2. <math display="block">\begin{array}{r} \frac{1}{2} \\ \frac{1}{4} \\ + \frac{2}{5} \\ \hline \end{array}</math></p>	<p>1. _____</p>
<p>3. <math display="block">\begin{array}{r} \frac{7}{25} \\ + \frac{3}{5} \\ \hline \end{array}</math></p>	<p>4. <math display="block">\begin{array}{r} \frac{11}{12} \\ + \frac{1}{2} \\ \hline \end{array}</math></p>	<p>5. <math display="block">\begin{array}{r} \frac{11}{15} \\ + \frac{1}{3} \\ \hline \end{array}</math></p>	<p>6. <math display="block">\begin{array}{r} \frac{2}{3} \\ + \frac{3}{5} \\ \hline \end{array}</math></p>	<p>2. _____</p>
<p>7. <math display="block">\begin{array}{r} \frac{2}{3} \\ \frac{1}{2} \\ + \frac{3}{8} \\ \hline \end{array}</math></p>	<p>8. <math display="block">\begin{array}{r} \frac{3}{11} \\ + \frac{5}{33} \\ \hline \end{array}</math></p>	<p>9. <math display="block">\begin{array}{r} \frac{5}{12} \\ + \frac{3}{8} \\ \hline \end{array}</math></p>	<p>10. <math display="block">\begin{array}{r} \frac{4}{6} \\ + \frac{1}{10} \\ \hline \end{array}</math></p>	<p>3. _____</p>
				<p>4. _____</p>
				<p>5. _____</p>
				<p>6. _____</p>
				<p>7. _____</p>
				<p>8. _____</p>
				<p>9. _____</p>
				<p>10. _____</p>
				<p>Score _____</p>

### Problem Solving

Kareem needs 70 dollars for a new cell phone. On Monday he earned  $17\frac{1}{2}$  dollars and on Wednesday he earned  $16\frac{1}{2}$  dollars. How much more does he need to have enough to buy the cell phone?

## Review Exercises

1. $\frac{2}{5}$	2. $\frac{5}{6}$	3. $3\frac{4}{5}$	4. $\frac{2}{3}$	5. $\frac{3}{4}$	6. $\frac{7}{12}$
$+ \frac{1}{5}$	$+ \frac{1}{6}$	$+ 6\frac{3}{5}$	$+ \frac{1}{4}$	$+ \frac{2}{5}$	$+ \frac{2}{3}$

<b>Helpful Hints</b>	<p>To subtract fractions with unlike denominators, find the least common denominator. Multiply each fraction by one to make equivalent fractions. Finally, subtract. Reduce answers to lowest terms.</p>	<p style="text-align: center;"><b>Examples:</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;"><math>\frac{3}{5} \times \frac{2}{2} = \frac{6}{10}</math></td> <td style="text-align: center; padding: 5px;"><math>\frac{5}{6} \times \frac{2}{2} = \frac{10}{12}</math></td> </tr> <tr> <td style="text-align: center; padding: 5px;"><math>-\frac{1}{2} \times \frac{5}{5} = \frac{5}{10}</math></td> <td style="text-align: center; padding: 5px;"><math>-\frac{1}{4} \times \frac{3}{3} = \frac{3}{12}</math></td> </tr> <tr> <td style="text-align: center; border-top: 1px solid black; padding: 5px;"><math>\frac{1}{10}</math></td> <td style="text-align: center; border-top: 1px solid black; padding: 5px;"><math>\frac{7}{12}</math></td> </tr> </table>	$\frac{3}{5} \times \frac{2}{2} = \frac{6}{10}$	$\frac{5}{6} \times \frac{2}{2} = \frac{10}{12}$	$-\frac{1}{2} \times \frac{5}{5} = \frac{5}{10}$	$-\frac{1}{4} \times \frac{3}{3} = \frac{3}{12}$	$\frac{1}{10}$	$\frac{7}{12}$
$\frac{3}{5} \times \frac{2}{2} = \frac{6}{10}$	$\frac{5}{6} \times \frac{2}{2} = \frac{10}{12}$							
$-\frac{1}{2} \times \frac{5}{5} = \frac{5}{10}$	$-\frac{1}{4} \times \frac{3}{3} = \frac{3}{12}$							
$\frac{1}{10}$	$\frac{7}{12}$							

S1. $\frac{5}{9}$	S2. $\frac{5}{6}$	1. $\frac{7}{8}$	2. $\frac{9}{10}$
$-\frac{1}{3}$	$-\frac{1}{4}$	$-\frac{4}{5}$	$-\frac{1}{3}$
3. $\frac{4}{5}$	4. $\frac{11}{12}$	5. $\frac{5}{6}$	6. $\frac{11}{18}$
$-\frac{1}{6}$	$-\frac{2}{3}$	$-\frac{2}{3}$	$-\frac{2}{9}$
7. $\frac{5}{6}$	8. $\frac{4}{5}$	9. $\frac{7}{8}$	10. $\frac{11}{15}$
$-\frac{7}{12}$	$-\frac{1}{2}$	$-\frac{2}{7}$	$-\frac{1}{3}$

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9. \_\_\_\_\_
10. \_\_\_\_\_

<b>Problem Solving</b>	<p>Jamie weighed <math>110\frac{1}{4}</math> pounds two months ago. If she now weighs 115 pounds, how many pounds did she gain?</p>	<b>Score</b>
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**Review Exercises**

1. $\frac{4}{5}$	2. $\frac{7}{8}$	3. $3\frac{11}{12}$	4. 7	5. 9	6. $\frac{5}{6}$
$-\frac{1}{5}$	$-\frac{1}{8}$	$-2\frac{3}{12}$	$-2\frac{11}{12}$	$-\frac{3}{4}$	$-\frac{1}{5}$

**Helpful Hints**

Use what you have learned to solve the following problems.  
 \*Remember, Reduce your answers to lowest terms.

S1. $\frac{3}{4}$	S2. $\frac{7}{8}$	1. $\frac{5}{6}$	2. $\frac{3}{4}$	1.
$-\frac{1}{2}$	$-\frac{1}{5}$	$-\frac{1}{3}$	$-\frac{3}{16}$	2.
3. $\frac{5}{8}$	4. $\frac{4}{5}$	5. $\frac{3}{4}$	6. $\frac{7}{9}$	3.
$-\frac{1}{4}$	$-\frac{1}{20}$	$-\frac{1}{3}$	$-\frac{1}{18}$	4.
7. $\frac{4}{5}$	8. $\frac{11}{15}$	9. $\frac{1}{4}$	10. $\frac{7}{8}$	5.
$-\frac{1}{2}$	$-\frac{1}{3}$	$-\frac{1}{6}$	$-\frac{1}{6}$	6.
				7.
				8.
				9.
				10.
				Score

**Problem Solving**

Sally wants to send holiday cards to 75 people. If cards come in boxes of 12, how many boxes does she need to buy? How many cards will be left over?

## Review Exercises

1. $\frac{7}{8}$	2. $\frac{4}{5}$	3. $\frac{2}{3}$	4. $\frac{3}{8}$	5. 7	6. $\frac{4}{5}$
$+$ $\frac{7}{8}$	$+$ $\frac{4}{15}$	$+$ $\frac{1}{5}$	$-$ $\frac{1}{8}$	$- 2\frac{3}{5}$	$- \frac{2}{3}$

<b>Helpful Hints</b>	<p style="text-align: center;">Use what you have learned to solve the following problems.</p> <p style="text-align: center;">*Remember*</p> <p style="text-align: center;">1. Change improper fractions to mixed numerals. 2. Reduce all answers to lowest terms.</p>
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S1. $\frac{7}{8}$	S2. $\frac{5}{8}$	1. $\frac{5}{9}$	2. $\frac{3}{4}$	1.
$- \frac{1}{4}$	$+$ $\frac{3}{4}$	$+$ $\frac{1}{3}$	$- \frac{2}{3}$	2.
				3.
3. $\frac{14}{15}$	4. $\frac{4}{5}$	5. $\frac{11}{22}$	6. $\frac{4}{5}$	4.
$- \frac{1}{3}$	$+$ $\frac{1}{2}$	$+$ $\frac{1}{11}$	$- \frac{3}{10}$	5.
				6.
7. $\frac{3}{5}$	8. $\frac{11}{25}$	9. $\frac{4}{7}$	10. $\frac{11}{20}$	7.
$- \frac{1}{10}$	$+$ $\frac{2}{5}$	$- \frac{3}{14}$	$+$ $\frac{3}{10}$	8.
				9.
				10.
				Score

<b>Problem Solving</b>	<p>Rhonda bought <math>\frac{3}{4}</math> pounds of white chocolate candy and <math>\frac{2}{3}</math> pounds of dark chocolate candy. How many pounds of candy did she buy altogether?</p>
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