



## Adding and Subtracting Fractions with Unlike Denominators

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 5

### Part A: Fill in the Blank

Write the missing word or number on each line.

- To add mixed numbers, first find a common denominator for the \_\_\_\_\_ parts.
- $3\frac{2}{5} + 1\frac{1}{3} = 3\frac{6}{15} + 1\frac{5}{15} =$  \_\_\_\_\_.
- When subtracting mixed numbers, if the fraction you are subtracting is larger, you must \_\_\_\_\_ from the whole number.
- $6\frac{1}{4} - 2\frac{5}{8}$  requires regrouping  $6\frac{1}{4}$  as  $5\frac{\underline{\hspace{1cm}}}{8}$ .
- $2\frac{3}{4} + 4\frac{2}{3} = 2\frac{9}{12} + 4\frac{8}{12} =$  \_\_\_\_\_ in simplest form.
- The LCD of 5 and 9 is \_\_\_\_\_.
- $8\frac{1}{6} - 3\frac{3}{4} = 8\frac{2}{12} - 3\frac{9}{12} =$  \_\_\_\_\_.
- If the fraction parts of two mixed numbers add up to more than 1, carry the extra \_\_\_\_\_ to the whole number.
- $1\frac{5}{6} + 2\frac{7}{10} = 1\frac{25}{30} + 2\frac{21}{30} =$  \_\_\_\_\_ in simplest form.

### Part B: Matching

Match each item on the left to the correct answer on the right.

- Match each item to its correct answer.

$5\frac{1}{3} + 2\frac{1}{4}$	→ _____	$5\frac{13}{24}$
$7\frac{1}{2} - 3\frac{2}{5}$	→ _____	$3\frac{7}{12}$
$4\frac{3}{8} + 1\frac{1}{6}$	→ _____	$4\frac{1}{10}$
$9\frac{1}{4} - 5\frac{2}{3}$	→ _____	$7\frac{7}{12}$

## Answer Key · Adding and Subtracting Fractions with Unlike Denominators · Grade: Grade 5

### Part A: Fill in the Blank

Write the missing word or number on each line.

- To add mixed numbers, first find a common denominator for the fraction parts.
- $3\frac{2}{5} + 1\frac{1}{3} = 3\frac{6}{15} + 1\frac{5}{15} = \underline{4\frac{11}{15}}$ .
- When subtracting mixed numbers, if the fraction you are subtracting is larger, you must borrow from the whole number.
- $6\frac{1}{4} - 2\frac{5}{8}$  requires regrouping  $6\frac{1}{4}$  as  $5\frac{\underline{10}}{8}$ .
- $2\frac{3}{4} + 4\frac{2}{3} = 2\frac{9}{12} + 4\frac{8}{12} = \underline{7\frac{5}{12}}$  in simplest form.
- The LCD of 5 and 9 is 45.
- $8\frac{1}{6} - 3\frac{3}{4} = 8\frac{2}{12} - 3\frac{9}{12} = \underline{4\frac{5}{12}}$ .
- If the fraction parts of two mixed numbers add up to more than 1, carry the extra 1 to the whole number.
- $1\frac{5}{6} + 2\frac{7}{10} = 1\frac{25}{30} + 2\frac{21}{30} = \underline{4\frac{17}{30}}$  in simplest form.

### Part B: Matching

Match each item on the left to the correct answer on the right.

- Match each item to its correct answer.

$5\frac{1}{3} + 2\frac{1}{4}$	→ <u><math>7\frac{7}{12}</math></u>	$5\frac{13}{24}$
$7\frac{1}{2} - 3\frac{2}{5}$	→ <u><math>4\frac{1}{10}</math></u>	$3\frac{7}{12}$
$4\frac{3}{8} + 1\frac{1}{6}$	→ <u><math>5\frac{13}{24}</math></u>	$4\frac{1}{10}$
$9\frac{1}{4} - 5\frac{2}{3}$	→ <u><math>3\frac{7}{12}</math></u>	$7\frac{7}{12}$