



## 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.

1. A number made up of a whole number and a fraction, like  $2\frac{1}{4}$ , is called a \_\_\_\_\_ number.
2. To add mixed numbers, first add the \_\_\_\_\_ parts, then add the whole numbers.
3. An \_\_\_\_\_ fraction has a numerator greater than or equal to its denominator, like  $\frac{7}{3}$ .
4.  $\frac{3}{10} + \frac{4}{5} = \frac{3}{10} + \frac{8}{10} =$  \_\_\_\_\_ as a mixed number.
5. To convert  $\frac{11}{4}$  to a mixed number, divide 11 by 4 to get \_\_\_\_\_.
6. When subtracting mixed numbers, you may need to \_\_\_\_\_ from the whole number part.
7.  $2\frac{1}{3} + 1\frac{1}{4} = 2\frac{4}{12} + 1\frac{3}{12} =$  \_\_\_\_\_.
8.  $5\frac{1}{2} - 2\frac{2}{3}$  requires regrouping because  $\frac{1}{2}$  is \_\_\_\_\_ than  $\frac{2}{3}$ .
9. The sum  $\frac{7}{8} + \frac{5}{8} = \frac{12}{8}$ , which simplifies to the mixed number \_\_\_\_\_.

### Part B: Matching

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

1. Match each item to its correct answer.

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

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

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### Part A: Fill in the Blank

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Write the missing word or number on each line.

1. A number made up of a whole number and a fraction, like  $2\frac{1}{4}$ , is called a mixed number.
2. To add mixed numbers, first add the fraction parts, then add the whole numbers.
3. An improper fraction has a numerator greater than or equal to its denominator, like  $\frac{7}{3}$ .
4.  $\frac{3}{10} + \frac{4}{5} = \frac{3}{10} + \frac{8}{10} = \underline{1\frac{1}{10}}$  as a mixed number.
5. To convert  $\frac{11}{4}$  to a mixed number, divide 11 by 4 to get  $2\frac{3}{4}$ .
6. When subtracting mixed numbers, you may need to regroup from the whole number part.
7.  $2\frac{1}{3} + 1\frac{1}{4} = 2\frac{4}{12} + 1\frac{3}{12} = \underline{3\frac{7}{12}}$ .
8.  $5\frac{1}{2} - 2\frac{2}{3}$  requires regrouping because  $\frac{1}{2}$  is less than  $\frac{2}{3}$ .
9. The sum  $\frac{7}{8} + \frac{5}{8} = \frac{12}{8}$ , which simplifies to the mixed number  $1\frac{1}{2}$ .

### Part B: Matching

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

1. Match each item to its correct answer.

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