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. To add mixed numbers, first find a common denominator for the _____ parts.

2. $3\frac{2}{5} + 1\frac{1}{3} = 3\frac{6}{15} + 1\frac{5}{15} =$ _____.

3. When subtracting mixed numbers, if the fraction you are subtracting is larger, you must _____ from the whole number.

4. $6\frac{1}{4} - 2\frac{5}{8}$ requires regrouping $6\frac{1}{4}$ as $5\frac{\text{_____}}{8}$.

5. $2\frac{3}{4} + 4\frac{2}{3} = 2\frac{9}{12} + 4\frac{8}{12} =$ _____ in simplest form.

6. The LCD of 5 and 9 is _____.

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

8. If the fraction parts of two mixed numbers add up to more than 1, carry the extra _____ to the whole number.

9. $1\frac{5}{6} + 2\frac{7}{10} = 1\frac{25}{30} + 2\frac{21}{30} =$ _____ in simplest form.

Part B: Matching

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

1. 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.

1. To add mixed numbers, first find a common denominator for the **fraction** parts.

2. $3\frac{2}{5} + 1\frac{1}{3} = 3\frac{6}{15} + 1\frac{5}{15} =$ **$4\frac{11}{15}$** .

3. When subtracting mixed numbers, if the fraction you are subtracting is larger, you must **borrow** from the whole number.

4. $6\frac{1}{4} - 2\frac{5}{8}$ requires regrouping $6\frac{1}{4}$ as $5\frac{\textbf{10}}{8}$.

5. $2\frac{3}{4} + 4\frac{2}{3} = 2\frac{9}{12} + 4\frac{8}{12} =$ **$7\frac{5}{12}$** in simplest form.

6. The LCD of 5 and 9 is **45** .

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

8. If the fraction parts of two mixed numbers add up to more than 1, carry the extra **1** to the whole number.

9. $1\frac{5}{6} + 2\frac{7}{10} = 1\frac{25}{30} + 2\frac{21}{30} =$ **$4\frac{17}{30}$** in simplest form.

Part B: Matching

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

1. Match each item to its correct answer.

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