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. The _____ common denominator is the smallest number both denominators divide into evenly.
2. Fractions that name the same amount, like $\frac{2}{4}$ and $\frac{1}{2}$, are called _____ fractions.
3. Before adding $\frac{1}{3} + \frac{2}{5}$, you must find a common _____.
4. A fraction is in _____ form when the numerator and denominator share no common factor > 1.
5. The LCD of 4 and 6 is _____.
6. To rename $\frac{3}{5}$ with a denominator of 20, multiply numerator and denominator by _____.
7. $\frac{1}{6} + \frac{3}{4} = \frac{2}{12} + \frac{9}{12} =$ _____ in simplest form.
8. $\frac{5}{8} - \frac{1}{3} = \frac{15}{24} - \frac{8}{24} =$ _____.
9. When a fraction like $\frac{6}{8}$ can be reduced, divide both parts by their greatest _____ factor.

Part B: Matching

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

1. Match each item to its correct answer.

$\frac{1}{2} + \frac{1}{3}$	→ _____	$\frac{7}{12}$
$\frac{3}{4} - \frac{1}{6}$	→ _____	$\frac{1}{3}$
$\frac{2}{5} + \frac{1}{4}$	→ _____	$\frac{5}{6}$
$\frac{5}{6} - \frac{1}{2}$	→ _____	$\frac{13}{20}$

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. The **least** common denominator is the smallest number both denominators divide into evenly.
2. Fractions that name the same amount, like $\frac{2}{4}$ and $\frac{1}{2}$, are called **equivalent** fractions.
3. Before adding $\frac{1}{3} + \frac{2}{5}$, you must find a common **denominator**.
4. A fraction is in **simplest** form when the numerator and denominator share no common factor > 1.
5. The LCD of 4 and 6 is **12**.
6. To rename $\frac{3}{5}$ with a denominator of 20, multiply numerator and denominator by **4**.
7. $\frac{1}{6} + \frac{3}{4} = \frac{2}{12} + \frac{9}{12} = \frac{\mathbf{11}}{\mathbf{12}}$ in simplest form.
8. $\frac{5}{8} - \frac{1}{3} = \frac{15}{24} - \frac{8}{24} = \frac{\mathbf{7}}{\mathbf{24}}$.
9. When a fraction like $\frac{6}{8}$ can be reduced, divide both parts by their greatest **common** factor.

Part B: Matching

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

1. Match each item to its correct answer.

$\frac{1}{2} + \frac{1}{3}$	→ $\frac{\mathbf{5}}{\mathbf{6}}$	$\frac{7}{12}$
$\frac{3}{4} - \frac{1}{6}$	→ $\frac{\mathbf{7}}{\mathbf{12}}$	$\frac{1}{3}$
$\frac{2}{5} + \frac{1}{4}$	→ $\frac{\mathbf{13}}{\mathbf{20}}$	$\frac{5}{6}$
$\frac{5}{6} - \frac{1}{2}$	→ $\frac{\mathbf{1}}{\mathbf{3}}$	$\frac{13}{20}$