



Adding and Subtracting Fractions with Unlike Denominators

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. What is $\frac{5}{6} + \frac{3}{8} - \frac{1}{4}$ expressed in simplest form?

- A) $\frac{23}{24}$
 B) $\frac{7}{10}$
 C) $\frac{19}{24}$
 D) $\frac{11}{12}$

2. Maria ran $\frac{3}{4} + \frac{5}{6}$ mi. Which LCD conversion is correct?

- A) $\frac{9}{12} + \frac{10}{12}$
 B) $\frac{3}{10} + \frac{5}{10}$
 C) $\frac{8}{12} + \frac{10}{12}$
 D) $\frac{6}{8} + \frac{5}{8}$

3. Which step is WRONG? $\frac{2}{3} + \frac{4}{9} \rightarrow \text{LCD}=9 \rightarrow \frac{6}{9} + \frac{4}{9} \rightarrow \frac{10}{9} \rightarrow 1\frac{1}{9}$

- A) LCD=9 is wrong
 B) $\frac{6}{9}$ conversion is wrong
 C) $\frac{10}{9}$ is wrong
 D) No step is wrong

4. To subtract $\frac{7}{12} - \frac{2}{9}$, you use LCD=36. What are the renamed fractions?

- A) $\frac{21}{36}$ and $\frac{8}{36}$
 B) $\frac{14}{36}$ and $\frac{6}{36}$
 C) $\frac{7}{36}$ and $\frac{2}{36}$
 D) $\frac{28}{36}$ and $\frac{8}{36}$

Part B: Fill in the Blank

Write the correct answer on each line.

1. $\frac{2}{3} + \frac{5}{12} + \frac{1}{4} = \frac{8}{12} + \frac{5}{12} + \frac{3}{12} =$ _____ in simplest form.

2. The LCD of 5, 6, and 10 is _____.

3. $\frac{7}{8} - \frac{1}{3} = \frac{21}{24} - \frac{8}{24} =$ _____ in simplest form.

4. If you add $\frac{4}{9} + \frac{2}{3}$, the sum is _____ as a mixed number.

5. $\frac{11}{15} - \frac{2}{5} = \frac{11}{15} - \frac{6}{15} =$ _____ in simplest form.

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

Part A: Multiple Choice

Circle the best answer for each question.

1. What is $\frac{5}{6} + \frac{3}{8} - \frac{1}{4}$ expressed in simplest form?

- A) $\frac{23}{24}$
 B) $\frac{7}{10}$
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2. Maria ran $\frac{3}{4} + \frac{5}{6}$ mi. Which LCD conversion is correct?

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 B) $\frac{3}{10} + \frac{5}{10}$
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3. Which step is WRONG? $\frac{2}{3} + \frac{4}{9} \rightarrow \text{LCD}=9 \rightarrow \frac{6}{9} + \frac{4}{9} \rightarrow \frac{10}{9} \rightarrow 1\frac{1}{9}$

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4. To subtract $\frac{7}{12} - \frac{2}{9}$, you use LCD=36. What are the renamed fractions?

- A) $\frac{21}{36}$ and $\frac{8}{36}$
 B) $\frac{14}{36}$ and $\frac{6}{36}$
 C) $\frac{7}{36}$ and $\frac{2}{36}$
 D) $\frac{28}{36}$ and $\frac{8}{36}$

Part B: Fill in the Blank

Write the correct answer on each line.

1. $\frac{2}{3} + \frac{5}{12} + \frac{1}{4} = \frac{8}{12} + \frac{5}{12} + \frac{3}{12} = \underline{1\frac{1}{3}}$ in simplest form.

2. The LCD of 5, 6, and 10 is 30.

3. $\frac{7}{8} - \frac{1}{3} = \frac{21}{24} - \frac{8}{24} = \underline{\frac{13}{24}}$ in simplest form.

4. If you add $\frac{4}{9} + \frac{2}{3}$, the sum is $1\frac{1}{9}$ as a mixed number.

5. $\frac{11}{15} - \frac{2}{5} = \frac{11}{15} - \frac{6}{15} = \underline{\frac{1}{3}}$ in simplest form.