



## Adding and Subtracting Fractions with Unlike Denominators

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

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

Grade: Grade 5

### Part A: Multiple Choice

Circle the best answer for each question.

1. A painter used  $2\frac{1}{3}$  gallons on Monday and  $1\frac{3}{4}$  gallons on Tuesday from 5 gallons. How much is left?

- A)  $\frac{11}{12}$  gallon
- B)  $1\frac{1}{12}$  gallons
- C) 1 gallon
- D)  $\frac{7}{12}$  gallon

2. A rope is  $8\frac{1}{2}$  feet long. Cuts of  $2\frac{3}{8}$  ft and  $3\frac{1}{6}$  ft are made. What length remains in simplest form?

- A)  $2\frac{23}{24}$  feet
- B)  $3\frac{1}{4}$  feet
- C)  $2\frac{11}{12}$  feet
- D) 3 feet

3. Which expression equals  $1\frac{1}{6}$  ?

- A)  $\frac{2}{3} + \frac{1}{2}$
- B)  $\frac{3}{4} + \frac{5}{12}$
- C)  $\frac{5}{8} + \frac{1}{3}$
- D)  $\frac{1}{2} + \frac{1}{3}$

4. Emma ran  $3\frac{2}{5}$  miles and Zoe ran  $2\frac{7}{10}$  miles. How much farther did Emma run?

- A)  $\frac{7}{10}$  mile
- B)  $\frac{1}{2}$  mile
- C)  $1\frac{3}{10}$  miles
- D)  $\frac{1}{10}$  mile

### Part B: Fill in the Blank

Write the correct answer on each line.

1. A baker needs  $2\frac{1}{4}$  cups of flour and  $1\frac{2}{3}$  cups of sugar. She needs \_\_\_\_\_ cups of dry ingredients in all.

2. A board is  $6\frac{3}{8}$  feet. After cutting  $2\frac{5}{6}$  feet, the remaining length is \_\_\_\_\_ feet.

3. Jake practiced piano for  $\frac{3}{4}$  hour and guitar for  $\frac{5}{6}$  hour. He practiced \_\_\_\_\_ hours total as a mixed number.

4. A recipe calls for  $\frac{7}{8}$  cup of oil. If  $\frac{1}{3}$  cup has been added, \_\_\_\_\_ cup more is needed.

5. Two containers hold  $4\frac{1}{4}$  liters and  $2\frac{3}{4}$  liters. The difference is \_\_\_\_\_ liters.

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

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**Part A: Multiple Choice**

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- A)  $\frac{2}{3} + \frac{1}{2}$
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4. Emma ran  $3\frac{2}{5}$  miles and Zoe ran  $2\frac{7}{10}$  miles. How much farther did Emma run?

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**Part B: Fill in the Blank**

Write the correct answer on each line.

1. A baker needs  $2\frac{1}{4}$  cups of flour and  $1\frac{2}{3}$  cups of sugar. She needs  $3\frac{11}{12}$  cups of dry ingredients in all.

2. A board is  $6\frac{3}{8}$  feet. After cutting  $2\frac{5}{6}$  feet, the remaining length is  $3\frac{13}{24}$  feet.

3. Jake practiced piano for  $\frac{3}{4}$  hour and guitar for  $\frac{5}{6}$  hour. He practiced  $1\frac{7}{12}$  hours total as a mixed number.

4. A recipe calls for  $\frac{7}{8}$  cup of oil. If  $\frac{1}{3}$  cup has been added,  $\frac{13}{24}$  cup more is needed.

5. Two containers hold  $4\frac{1}{5}$  liters and  $2\frac{3}{4}$  liters. The difference is  $1\frac{9}{20}$  liters.