

## Introduction

Welcome to our maths worksheet on adding fractions! This worksheet is designed to support the UK Primary School Curriculum and provides a range of activities and questions to help students develop their understanding of adding fractions.

## Foundation Level

### Adding Fractions with the Same Denominator

1.  $\frac{1}{4} + \frac{1}{4} = ?$

2.  $\frac{2}{6} + \frac{2}{6} = ?$

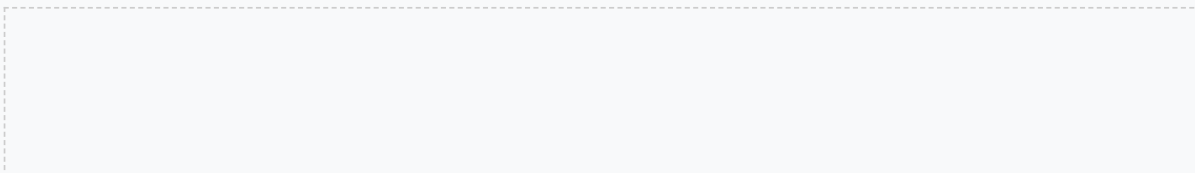
3.  $\frac{3}{8} + \frac{3}{8} = ?$

Visual Aid: A picture of a pizza cut into 4 slices, with 2 slices shaded.

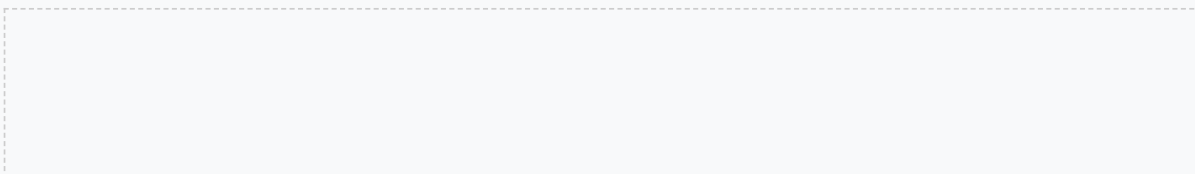
## Core Level

### *Adding Fractions with Different Denominators*

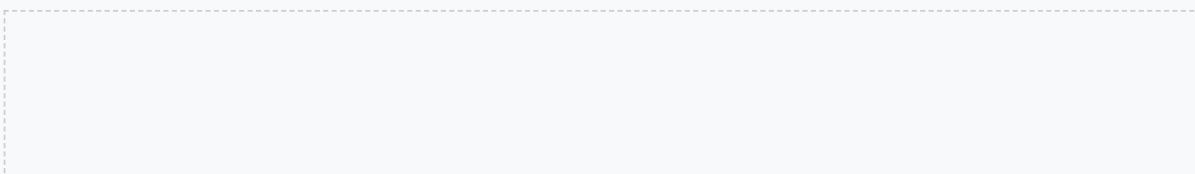
1.  $\frac{1}{6} + \frac{1}{3} = ?$



2.  $\frac{2}{8} + \frac{1}{4} = ?$



3.  $\frac{3}{12} + \frac{1}{6} = ?$

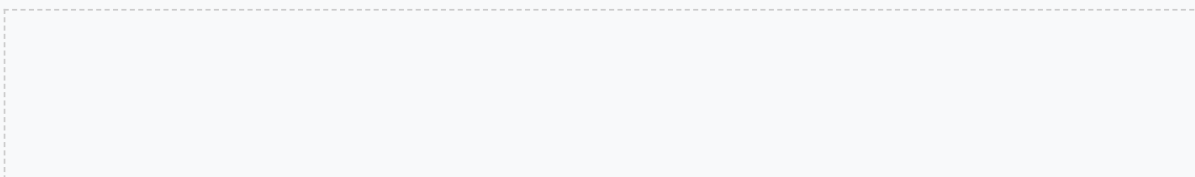


*Visual Aid: A picture of a fraction wall with 6 blocks, with 3 blocks shaded.*

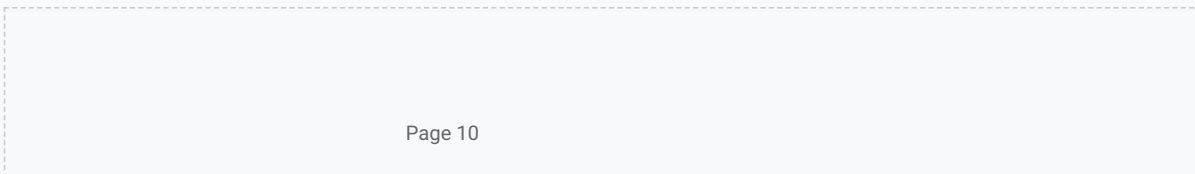
## Extension Level

### *Adding Fractions with Multiple Steps*

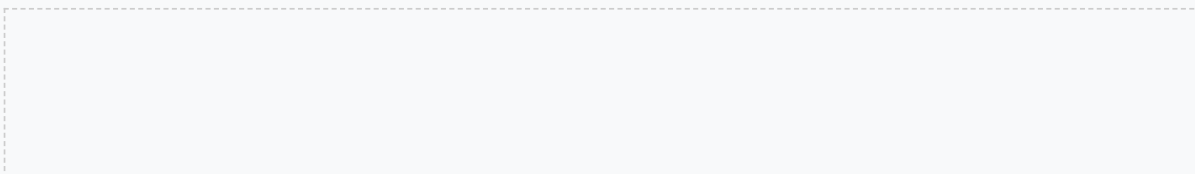
1.  $\frac{1}{4} + \frac{1}{6} + \frac{1}{12} = ?$



2.  $\frac{2}{8} + \frac{1}{4} + \frac{1}{16} = ?$



3.  $\frac{3}{12} + \frac{2}{8} + \frac{1}{6} = ?$



*Visual Aid: A picture of a fraction wall with 12 blocks, with 4 blocks shaded.*

## Mixed Ability Differentiation

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### *Adding Fractions Word Problems*

1. Tom has  $\frac{1}{4}$  of a pizza and his friend gives him  $\frac{1}{4}$  of a pizza. What fraction of a pizza does Tom have now?

2. A bookshelf has  $\frac{2}{6}$  of its books on the top shelf and  $\frac{1}{3}$  of its books on the middle shelf. What fraction of the books are on the top and middle shelves?

3. A recipe requires  $\frac{1}{4}$  cup of sugar,  $\frac{1}{6}$  cup of flour, and  $\frac{1}{12}$  cup of milk. What is the total fraction of ingredients needed?

## Interactive Activity

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### *Fraction Addition Bingo*

Create bingo cards with fraction addition problems and play a game of bingo.

## Fraction War

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*Create a card game where students add fractions and the student with the highest answer wins.*

## Fraction Scavenger Hunt

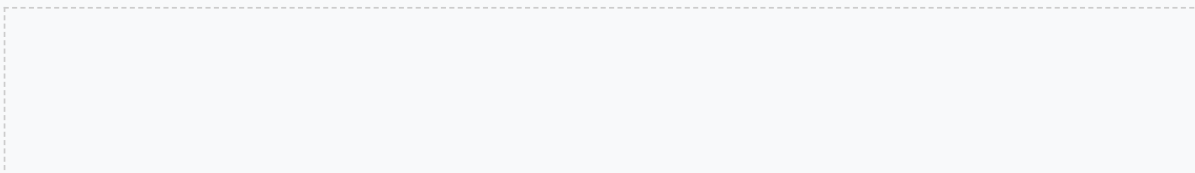
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*Create a scavenger hunt with fraction addition problems and have students find the answers around the classroom.*

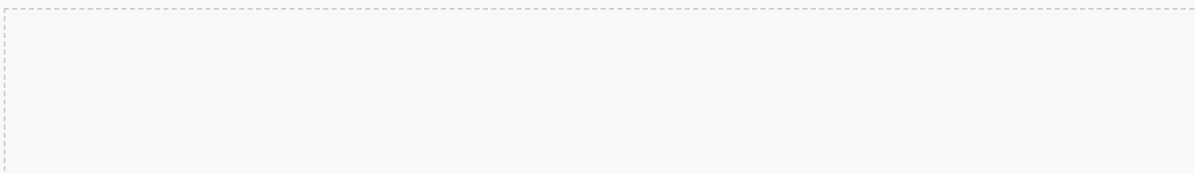
## Mixed Ability Differentiation

### *Adding Fractions with Visual Aids*

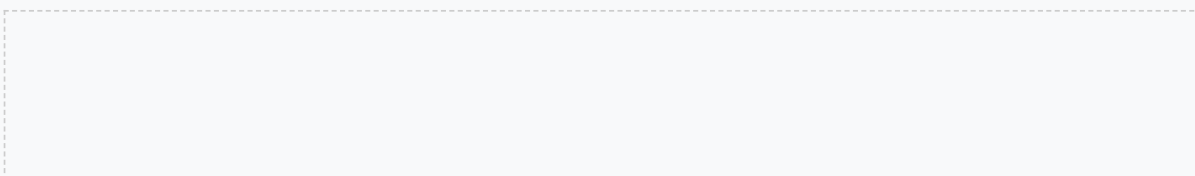
1. Use a fraction wall to find the answer to  $\frac{1}{4} + \frac{1}{4}$ .



2. Use a number line to find the answer to  $\frac{2}{6} + \frac{1}{3}$ .



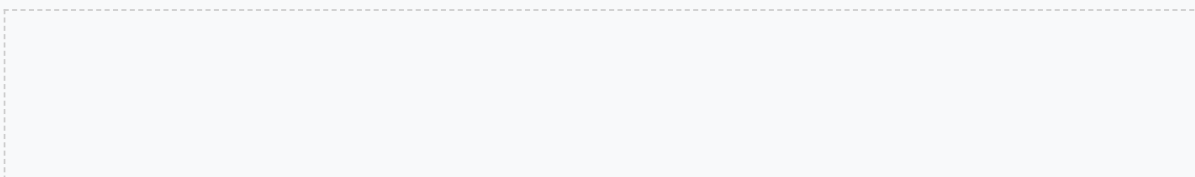
3. Use a diagram to find the answer to  $\frac{3}{12} + \frac{2}{8} + \frac{1}{6}$ .



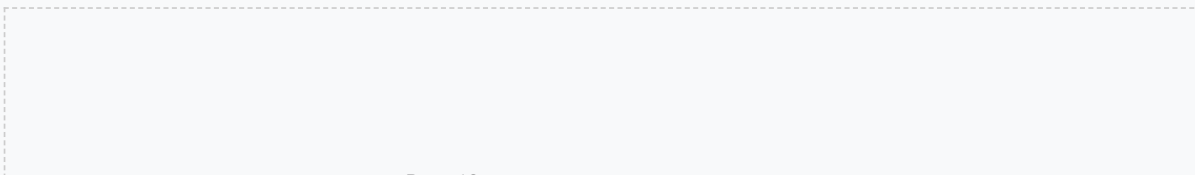
## Assessment

### *Fraction Addition Quiz*

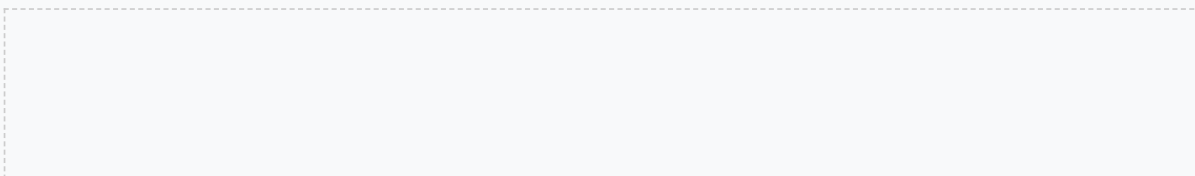
1.  $\frac{1}{4} + \frac{1}{4} = ?$



2.  $\frac{2}{6} + \frac{1}{3} = ?$



3.  $\frac{3}{12} + \frac{2}{8} + \frac{1}{6} = ?$



## Extension Activity

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### *Create Your Own Word Problem*

Create a word problem involving fraction addition and solve it.

## Conclusion

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*Congratulations on completing the worksheet! Review your answers and reflect on what you have learned.*

