

ADD & SUBTRACT COMMON DENOMINATOR FRACTIONS

Adding & Subtracting Fractions with Common Denominators

Record the answers to the practice problems in the LINKivity®.

1 Ans.
Draw it:

2 circle one:
True
False

3 Ans.
Write the equation:

4 Ans.
Write the equation:

5 $\frac{7}{12} - \frac{6}{12} =$
 $\frac{9}{12} - \frac{2}{12} =$
 $\frac{8}{12} - \frac{3}{12} =$
 $\frac{10}{12} - \frac{7}{12} =$


6 Ans.
Draw it:

7 Ans.
Write the equation:

8 Ans.
Write the equation:

9 $\frac{5}{9} + \frac{3}{9} =$
 $\frac{3}{9} + \frac{1}{9} =$
 $\frac{1}{6} + \frac{6}{6} =$

10 circle one:
True



In this equation, we need a model to visualize adding or subtracting fractions with common denominators.

Each section is $\frac{1}{10}$.

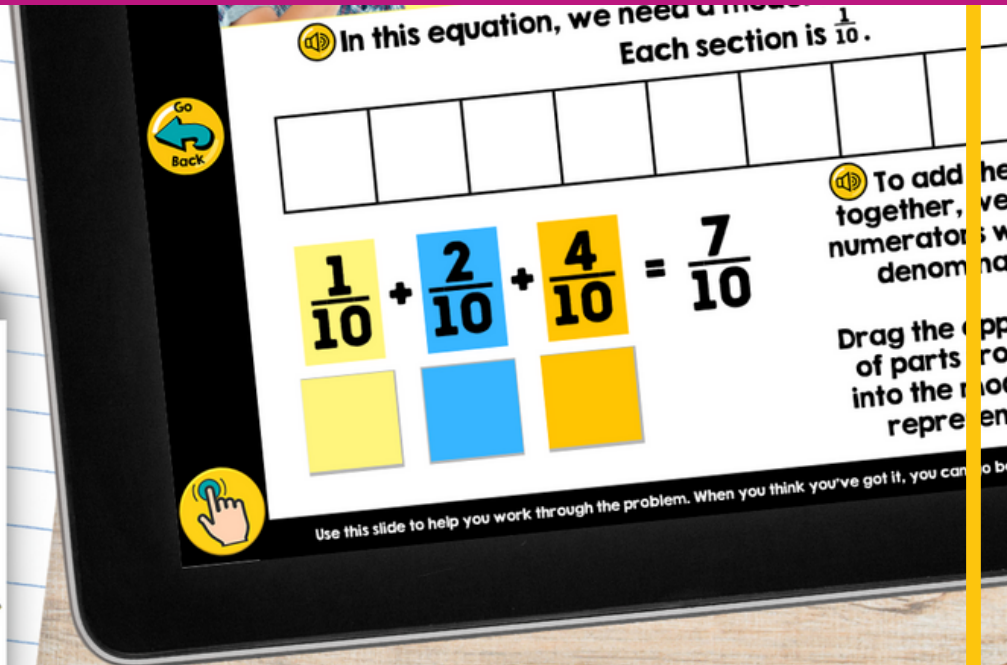
$\frac{1}{10} + \frac{2}{10} + \frac{4}{10} = \frac{7}{10}$

To add fractions with common denominators together, we add the numerators and keep the denominator the same.

Drag the pieces of the model into the boxes to represent the equation.

Use this slide to help you work through the problem. When you think you've got it, you can go on to the next slide.

Go Back



LINK  **tivity**

Interactive Learning Guides

WAIT!

Thank you for considering this LINKtivity for your classroom, but before you make a decision - you should know that you can get **access to this LINKtivity + PLUS our entire library** for about the same price as a single LINKtivity!

The results are in: **Teachers LOVE LINKtivities...** and want more! So, we've made it SUPER easy and cost effective for you to access any and ALL of our LINKtivities inside our LINKtivity Learning membership option! Instead of purchasing just ONE LINKtivity - why not get access to ALL of them... for about the SAME PRICE!



INSIDE THE MEMBERSHIP YOU'LL HAVE UNLIMITED ACCESS TO:

- ✓ The **entire growing LINKtivity® library** inside the Membership (LINKtivities for all content areas)
- ✓ ALL **future LINKtivities** to be added to the membership (new releases each month!)
- ✓ **Teacher guides** to help you set up each LINKtivity® successfully in your classroom
- ✓ **Student resources** that go along with each LINKtivity (printable OR digital)
- ✓ **Kid-friendly rubrics** and **answer keys** for each LINKtivity®

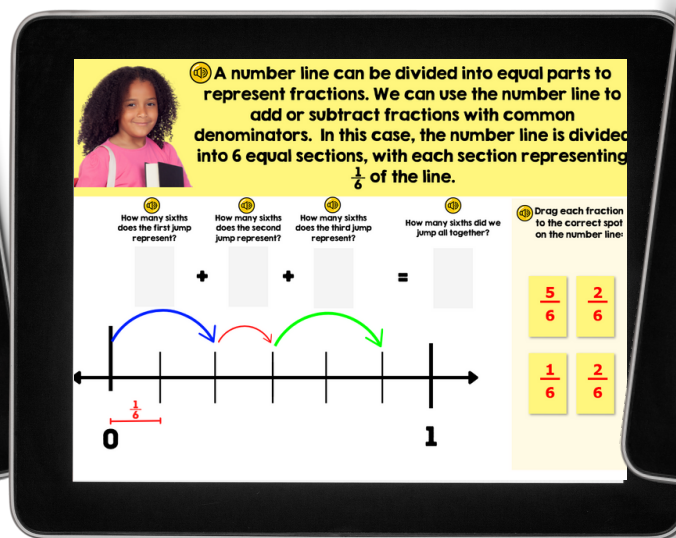


JOIN NOW






The Adding & Subtracting Fractions With Common Denominators LINKtivity includes a step-by-step animated video to teach students how to add and subtract fractions. In addition, students will learn various strategies for this topic, such as decomposing a fraction equation using a model and a number line. To demonstrate their understanding of the concept, students will solve multiple practice problems.



More Sample Slides

Using a model can help us visualize adding or subtracting fractions with common denominators. Remember, the denominator tells us how many equal parts make up the whole. The numerator tells us how many parts of the whole are represented. When we add fractions with common denominators, we add the numerators together. The denominator stays the same.

In this equation, we need a model that has 10 equal parts. Each section is $\frac{1}{10}$.



$\frac{1}{10} + \frac{2}{10} + \frac{4}{10} = \frac{7}{10}$

To add these fractions together, we add across the numerators while keeping the denominator the same.

Drag the appropriate number of parts from each fraction into the model to accurately represent this equation.

Use this slide to help you work through the problem. When you think you've got it, you can go back and choose the correct answer.

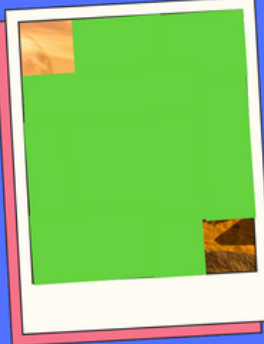
Answer the question below correctly to reveal a piece of the mystery picture.

TRUE OR FALSE?

$\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$


Click on the thumbs up picture if the statement above is true. Click on the thumbs down picture if the statement above is false.

REVEAL THE MYSTERY PICTURE



A **fraction** is a number that shows part of a whole.

Something is whole when it has all of its parts.



Credit: LINKIVITY Learning

SNAPSHOTS



Use the **left arrow** button on the camera to scroll through the photos.

A number line can be divided into equal parts to represent fractions. We can use the number line to add or subtract fractions with common denominators. In this case, the number line is divided into 6 equal sections, with each section representing $\frac{1}{6}$ of the line.

How many sixths does the first jump represent? $\frac{1}{6}$

How many sixths does the second jump represent? $\frac{2}{6}$

How many sixths does the third jump represent? $\frac{2}{6}$

How many sixths did we jump all together? $\frac{5}{6}$

Drag each fraction to the correct spot on the number line:

$\frac{5}{6}$ $\frac{2}{6}$

$\frac{1}{6}$ $\frac{2}{6}$

Use this slide to help you work through the problem. When you think you've got it, you can go back and choose the correct answer.

Remember: When we subtract fractions with common denominators, the denominator stays the same. We subtract the numerators to determine how many parts of the whole we have left.

STEP 1: Locate the **denominator**. This number tells us how many equal parts make up the whole. When we subtract fractions, this number stays the same. Rewrite this number in the answer.

$\frac{5}{8} - \frac{2}{8} = \frac{\quad}{8}$


STEP 2: Locate the **numerators** in each fraction. These numbers tell us how many parts of the whole are represented. Complete the fraction by finding the difference between numerators.

$\frac{5}{8} - \frac{2}{8} = \frac{3}{8}$

Use this slide to help you work through the problem. When you think you've got it, you can go back and choose the correct answer.

1 numerator

8 denominator



Credit: LINKIVITY Learning

MARS ROVERS

Mars rovers are robots that explore the red planet called Mars! They are like advanced remote-controlled cars. These rovers have special wheels to help them drive over rocky terrain, and they have cameras to take pictures and send them back to Earth. Scientists control the rovers from Earth, and they use them to learn about Mars and look for signs of life. The rovers are like our eyes and hands on Mars, helping us discover new things about this fascinating planet!

Click one of the videos below to learn more about Mars and the Mars Rovers

CLICK HERE to see snapshots of Mars and the Mars Rovers



Answer the question below correctly to reveal a piece of the mystery picture.


TRUE OR FALSE?

$\frac{6}{8} - \frac{4}{8} > \frac{3}{8}$


Correct! You've Revealed the Mystery Picture!

Click on the thumbs up picture if the statement above is true. Click on the thumbs down picture if the statement above is false.

REVEAL THE MYSTERY PICTURE

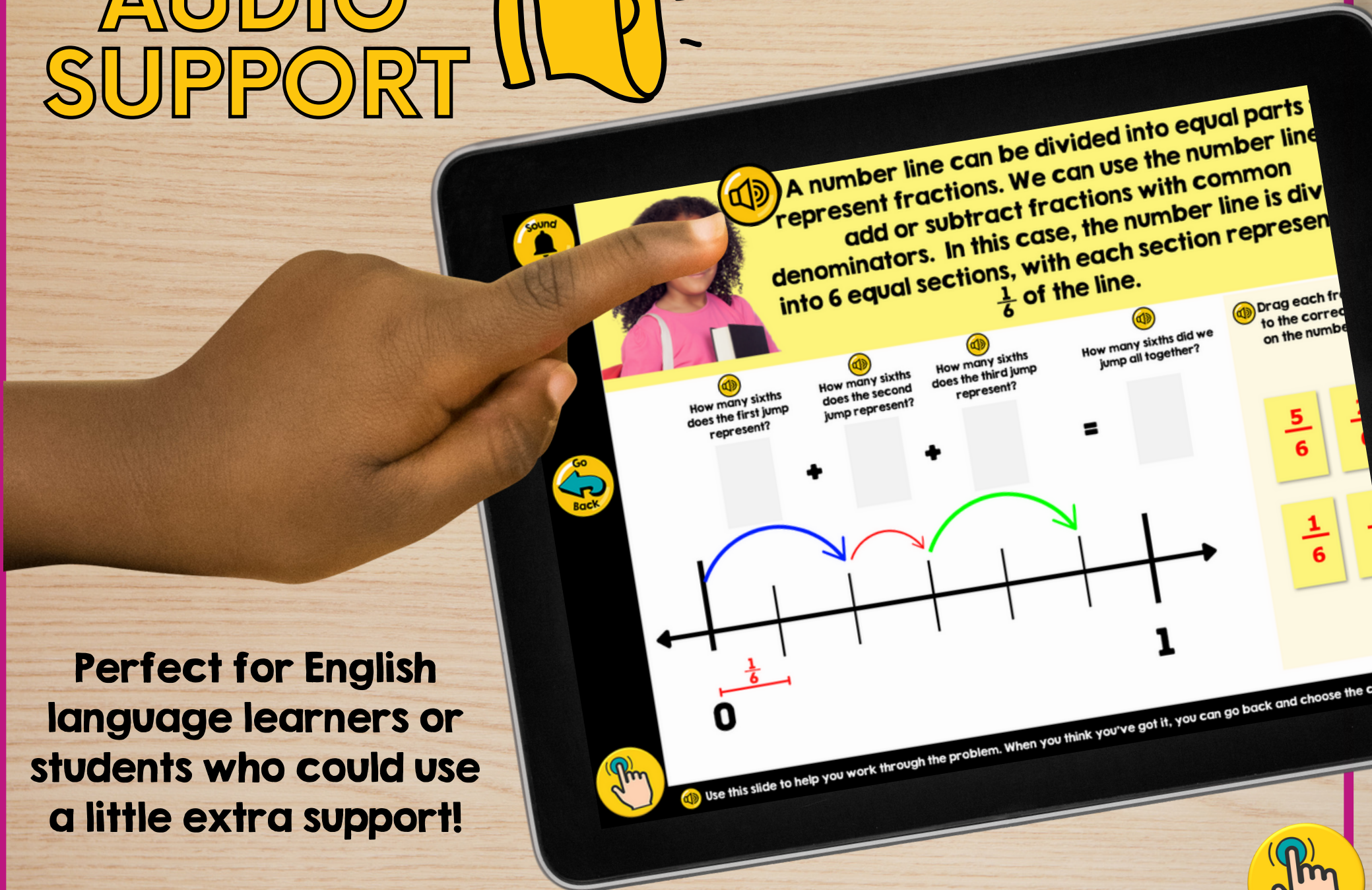
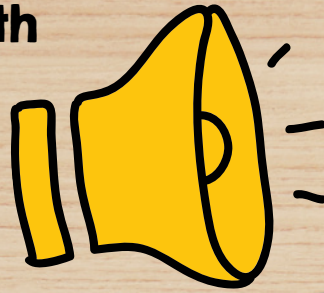


MARS ROVER



This LINKtivity is provided with

AUDIO SUPPORT



Perfect for English language learners or students who could use a little extra support!



Printable & Digital Student Recording Sheet

Printable Recording Sheet for LINKtivity

Adding & Subtracting Fractions with Common Denominators

Record the answers from the practice problems in the LINKtivity®.

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Draw it:

2 circle one:
True
False

3 Ans.
Write the equation:

4 Ans.
Write the equation:

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 $\frac{3}{9} + \frac{1}{9} =$
 $\frac{1}{9} + \frac{6}{9} =$
 $\frac{4}{9} + \frac{1}{9} =$

10 circle one:
True
False

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False

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10 circle one:
True
False

Digital Recording Sheet for LINKtivity in Google Slides

Answer Key

Adding & Subtracting Fractions with Common Denominators

Record the answers from the practice problems in the LINKtivity®.

ANSWER KEY

1 Ans. **A**
Draw it:

2 circle one:
True
False

3 Ans. **B**
Write the equation: $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$

4 Ans. **A**
Write the equation: $\frac{2}{6} + \frac{1}{6} + \frac{2}{6} = \frac{5}{6}$

5 $\frac{7}{12} - \frac{6}{12} = \frac{1}{12}$
 $\frac{9}{12} - \frac{2}{12} = \frac{7}{12}$
 $\frac{8}{12} - \frac{3}{12} = \frac{5}{12}$
 $\frac{10}{12} - \frac{7}{12} = \frac{3}{12}$

6 Ans. **C**
Draw it:

7 Ans. **B**
Write the equation: $\frac{4}{6} - \frac{3}{6} = \frac{1}{6}$

8 Ans. **B**
Write the equation: $\frac{9}{9} - \frac{4}{9} = \frac{5}{9}$

9 $\frac{5}{9} + \frac{3}{9} = \frac{8}{9}$
 $\frac{3}{9} + \frac{1}{9} = \frac{4}{9}$
 $\frac{1}{9} + \frac{6}{9} = \frac{7}{9}$
 $\frac{4}{9} + \frac{1}{9} = \frac{5}{9}$

10 circle one:
True
False

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