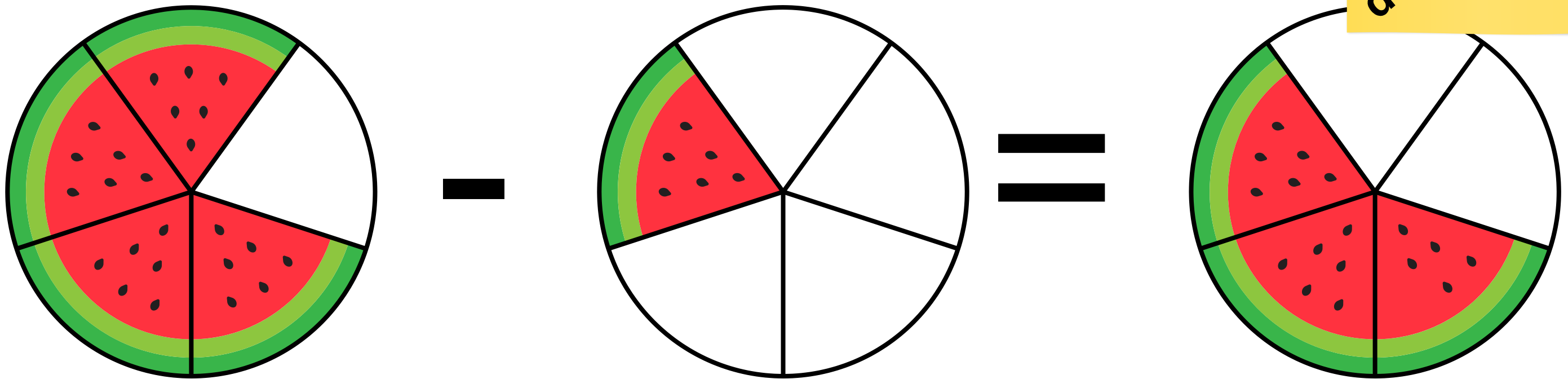


SUBTRACTING FRACTIONS WITH PICTURES

With
same
denominators



INCLUDES GOOGLE SLIDES



For students who:

- are emerging or non-readers
- take alternate assessments
- are in special education
- short-attention span
- lack pre-requisite skills
- benefit from the use of pictures for support

Table of Contents

Worksheet pages	Activity
4-5	Vocabulary board
6-20	Bingo cards
21-38	Hands on activities
39-52	Worksheet set 1: subtract with models
53-66	Worksheet set 2: subtract with models and write fractions
67-80	Worksheet set 3: subtract with pictures
81-94	Worksheet set 4: subtract with pictures and write fractions
95-97	Quiz
98-99	Terms of use

In a separate files:

- Lesson plans
- Directions and links to digital version of the activities
- Subtracting Fractions book (PowerPoint)
- Activities in black and white

This unit contains 9 days of material in print and digital formats. I have included a detailed lesson plan to help you make the most of everything in this unit, including adding some group activities.

This unit comes in 2 separate files, one in color and one in black and white.

This unit teaches students how to subtract fractions with the same denominator using models and pictures.

It is **scaffolded** to slowly build more complex skills relating to subtracting fractions.

1. Subtract fractions with models.
2. Subtract fractions with models and write fraction values.
3. Subtract fractions with pictures.
4. Subtract fractions with pictures and write fraction values.

There are group and individual daily activities that are in print and digital formats.

Focuses on halves, thirds, fourths, sixths, and eighths

Quick Look

Day	Activity	Day	Activity
1	<ul style="list-style-type: none"> • Book • Vocabulary board intro • Group activity • Worksheet set #1 or 2 	6	<ul style="list-style-type: none"> • Book • Group activity • Worksheet set #3 or 4
2	<ul style="list-style-type: none"> • Book • Group activity • Worksheet set #1 or 2 	7	<ul style="list-style-type: none"> • Book • Group activity • Worksheet set #3 or 4
3	<ul style="list-style-type: none"> • Book • Group activity • Worksheet set #1 or 2 	8	<ul style="list-style-type: none"> • Book • Group activity • Worksheet set #3 or 4
4	<ul style="list-style-type: none"> • Book • Group activity • Worksheet set #1 or 2 	9	<ul style="list-style-type: none"> • Quiz • Group activity
5	<ul style="list-style-type: none"> • Book • Group activity • Worksheet set #3 or 4 		

9 days

The lesson plans contain:

- Overall tips for teaching students with significant needs
- A quick look at what you will do each day
- Detailed instructions on how that day's lesson should run

Day 2

Activity	Notes
Read or listen to the movie version of the book (10 minutes)	<ul style="list-style-type: none"> • Read through the story, asking lots of questions • Continue to make connections between book and vocabulary board
Group Activity: (15 min)	<ul style="list-style-type: none"> • Choose one of the group activities suggested in directions of group activity
Worksheet review (5 minutes)	<ul style="list-style-type: none"> • Review the worksheets completed yesterday
Worksheet set #1 or 2 (10 minutes)	<ul style="list-style-type: none"> • Set 1 is meant for students who are not yet ready to write the fraction values of the models • Set 2 has the same problems as set 1, but students will write in the fraction value as well as color in the model • Complete the second 3 worksheets in this set, subtracting models with the same denominator • Identify any students who need more review on this skill before moving on.
Sharing (10 minutes)	<ul style="list-style-type: none"> • Each student shares one of their finished worksheets with the group using the communication method of their choice

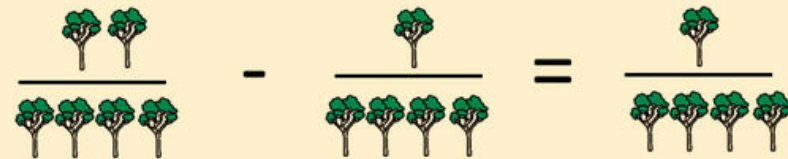
PowerPoint

Here is one more. The denominators are the same, so we can subtract the numerators.



$$\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$$

Here is one more using pictures. The denominators are the same, so subtract the numerators and keep the denominator the same.

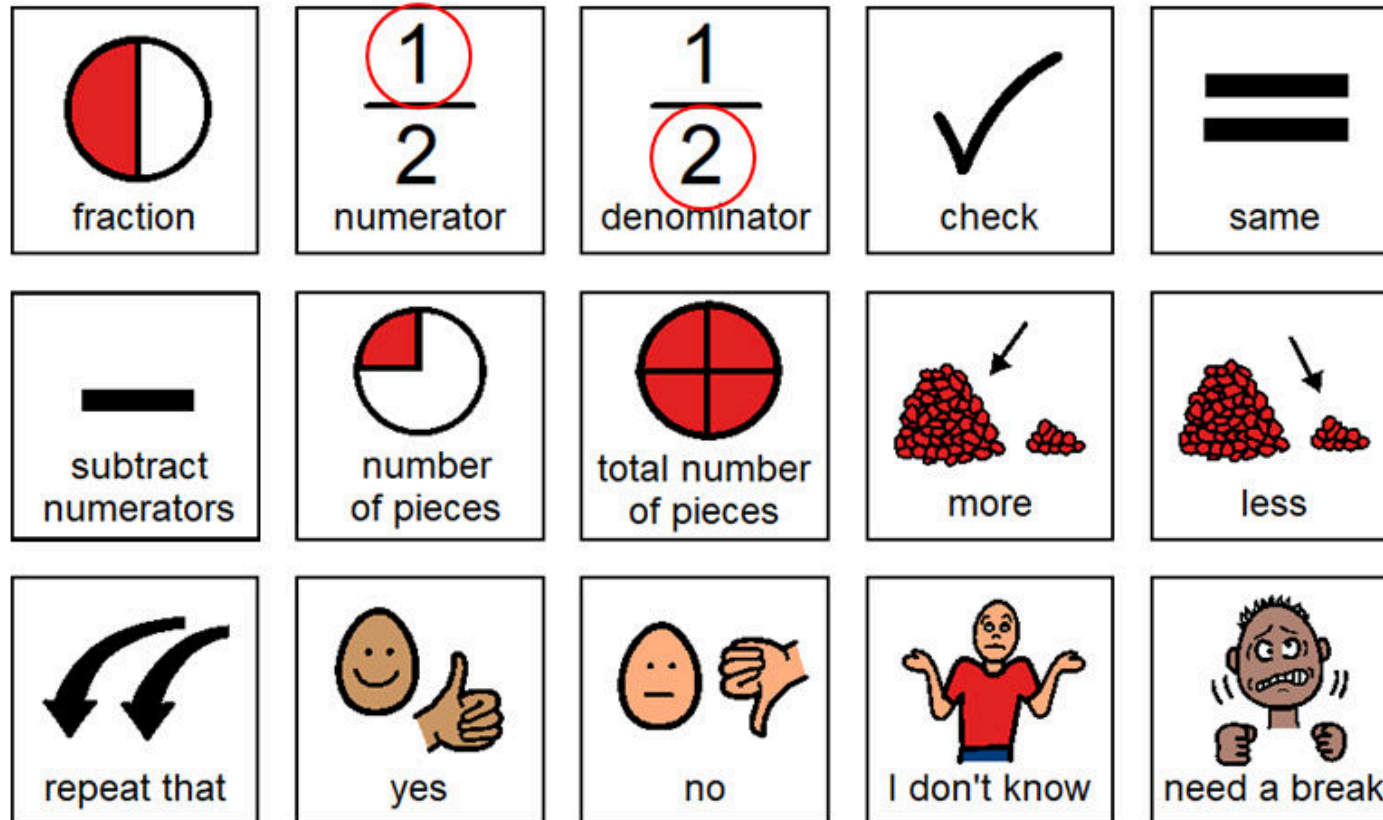


$$\frac{2}{4} - \frac{1}{4} = \frac{1}{4}$$

This unit contains a book covering subtracting fractions with models and pictures.

It comes as:

- PowerPoint
- mp4 version that is animated and narrated



Christa Joy, Special Needs for Special Kids
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This unit comes with a vocabulary board.

Vocabulary boards are great for ALL students to assist with **participation and engagement** in group discussions.

Tips on how to use in the unit!!

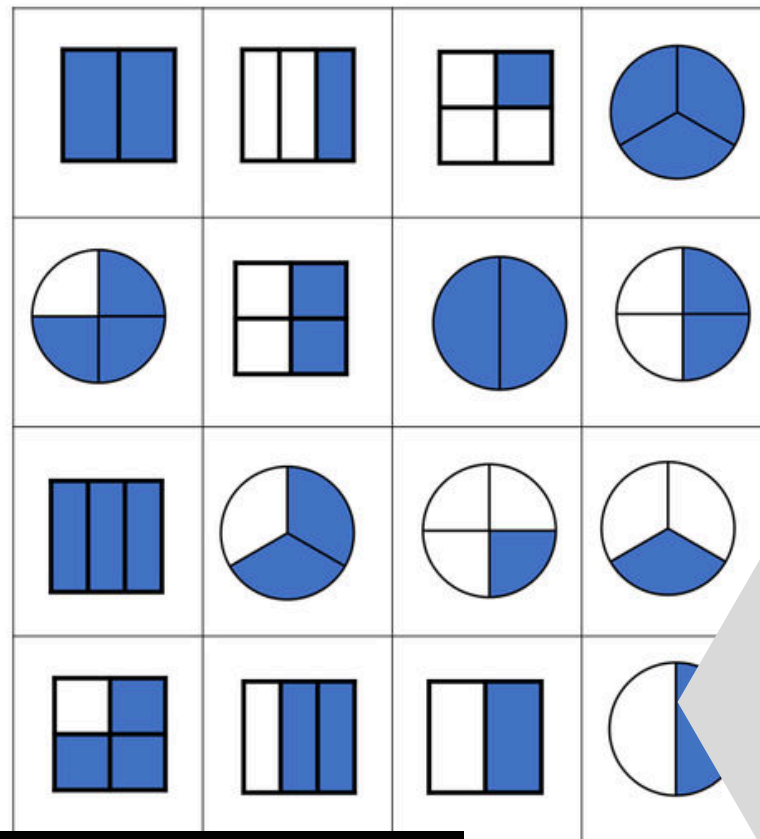
There are no vocabulary cards in this unit



Bingo cards

- Included are 10 Bingo
- Place the cards in page protectors or laminate for long term use.
- This is a great way to work with fractions either using the information in this unit, or any fraction unit you may have.
- Calling cards are included
- Options:
 - See group activities for different ways to play this game using the information in this unit
 - Work as teams
 - Vary the "winning" patterns.
 - Cover all
 - Cover corners
 - Row across or down
 - Cover the edges
 - Vary the ways to mark the card
 - Place in page protector or laminate and use dry erase markers
 - Stickers
 - Post-it notes
 - Dot markers

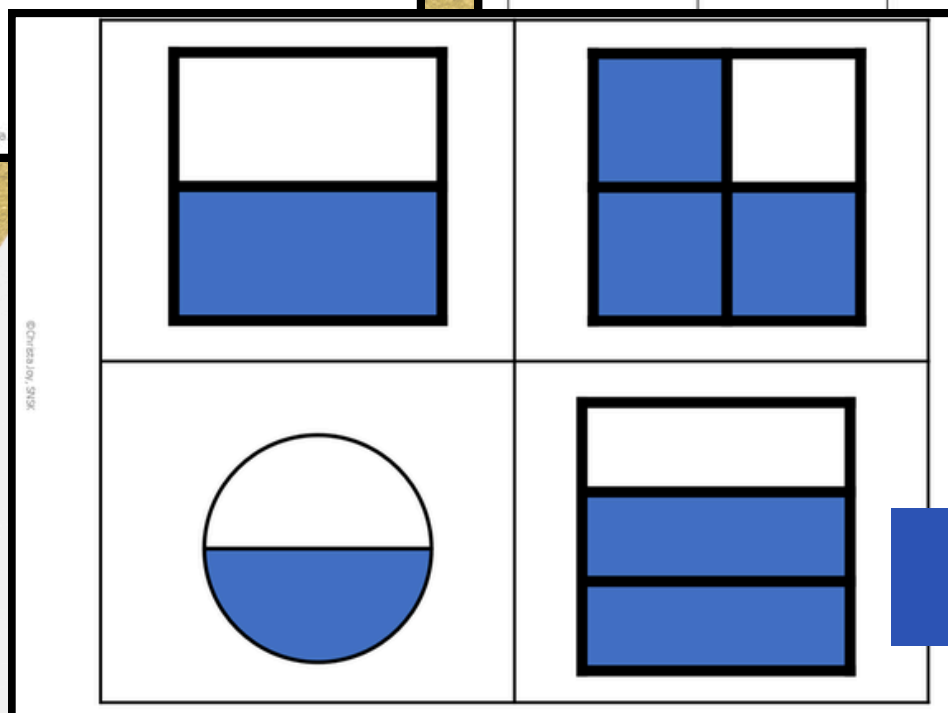
Fractions



Group activity #1

There are Bingo cards included. You can have students find specific fraction models when playing.

More suggestions on how to use these cards are included.



calling cards included

Hands on fraction activities

- Includes:
 - Fraction cards
 - Model templates that students or teacher can color in
 - Models pre-colored
- Print on cardstock and laminate.
- Suggested uses:
 - To review, have students color in the fraction on their model using dry erase markers.
 - Draw 2 cards and determine if they have the same denominators or not.
 - Place 2 fraction cards on table that have same denominator and students color in the answer on their model if they are subtracted.
 - You color in a model and have students find the correct fraction card that matches.
 - Match all fraction cards or all the models that have the same denominators.
 - Create a subtraction template on construction paper where students can build subtraction sentences. I noted the sizes you will want the blank squares to be to fit the models included.

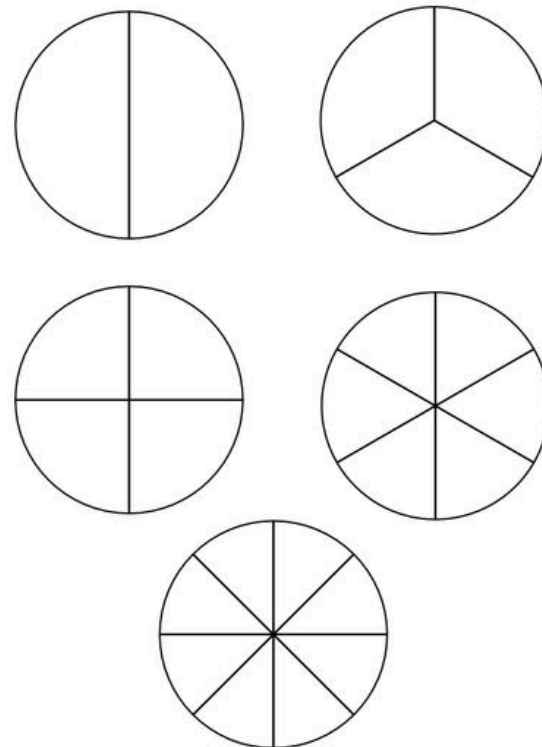
$\frac{2}{4}$	$\frac{3}{4}$
$\frac{4}{4}$	$\frac{1}{6}$
$\frac{2}{6}$	$\frac{3}{6}$

Group activity #2

Students will work with fraction models in various ways.

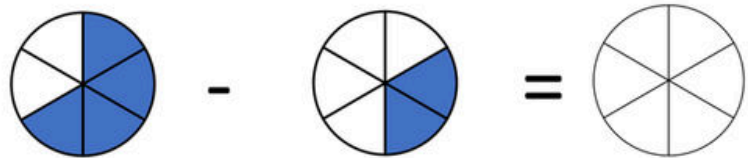
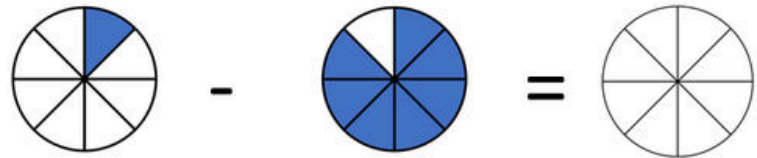
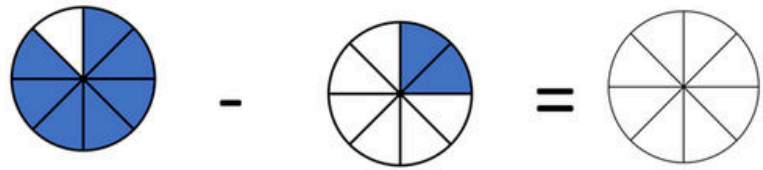
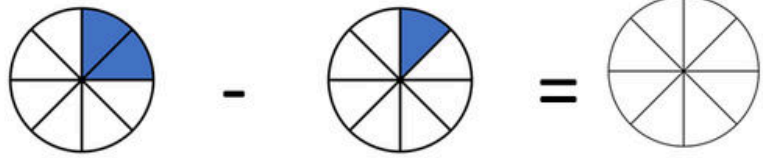
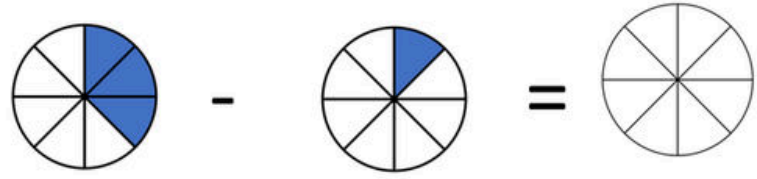
3 inches - 3 inches = 3 inches

Blank Templates



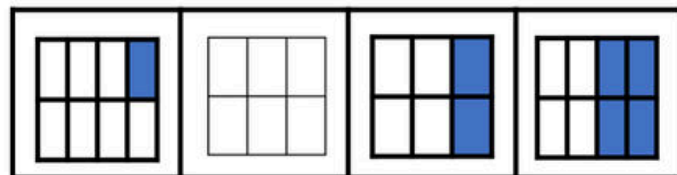
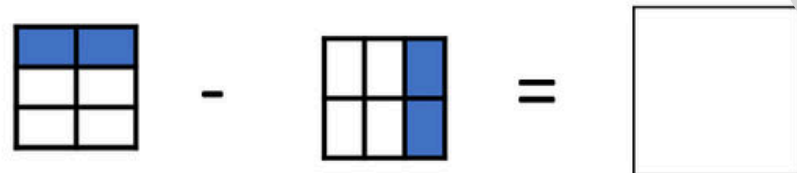
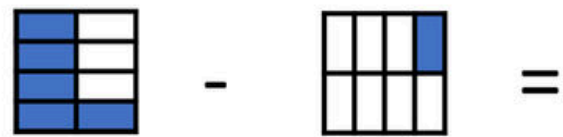
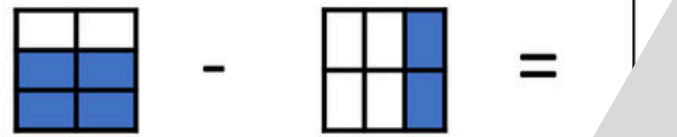
Worksheet set #1

Color in the answer to each subtraction problem below.



©Christa Joy, SNSK

Color in the answer to each subtraction problem below.



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These 12 worksheets review subtracting fractions with models.

- coloring in the answer
- cut and paste the correct model

Worksheet set #2

Color in the answer to each subtraction problem below and write in the final fraction.

$$\frac{3}{8} \text{ (circle with 3/8 shaded)} - \frac{1}{8} \text{ (circle with 1/8 shaded)} = \frac{\square}{\square} \text{ (circle with 0/8 shaded)}$$

$$\frac{2}{8} \text{ (circle with 2/8 shaded)} - \frac{1}{8} \text{ (circle with 1/8 shaded)} = \frac{\square}{\square} \text{ (circle with 0/8 shaded)}$$

$$\frac{7}{8} \text{ (circle with 7/8 shaded)} - \frac{2}{8} \text{ (circle with 2/8 shaded)} = \frac{\square}{\square} \text{ (circle with 0/8 shaded)}$$

$$\frac{7}{8} \text{ (circle with 7/8 shaded)} - \frac{1}{8} \text{ (circle with 1/8 shaded)} = \frac{\square}{\square} \text{ (circle with 0/8 shaded)}$$

$$\frac{4}{6} \text{ (circle with 4/6 shaded)} - \frac{2}{6} \text{ (circle with 2/6 shaded)} = \frac{\square}{\square} \text{ (circle with 0/6 shaded)}$$

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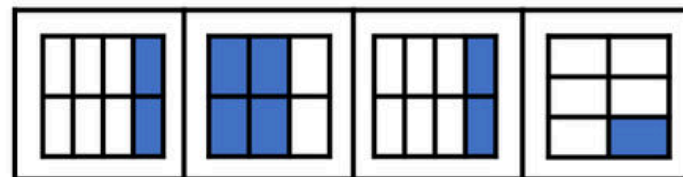
Paste the answer to each subtraction problem below and write in the final fraction.

$$\frac{6}{6} \text{ (rectangle with 6/6 shaded)} - \frac{2}{6} \text{ (rectangle with 2/6 shaded)} = \frac{\square}{\square} \text{ (rectangle with 0/6 shaded)}$$

$$\frac{2}{6} \text{ (rectangle with 2/6 shaded)} - \frac{1}{6} \text{ (rectangle with 1/6 shaded)} = \frac{\square}{\square} \text{ (rectangle with 0/6 shaded)}$$

$$\frac{4}{8} \text{ (rectangle with 4/8 shaded)} - \frac{2}{8} \text{ (rectangle with 2/8 shaded)} = \frac{\square}{\square} \text{ (rectangle with 0/8 shaded)}$$

$$\frac{3}{8} \text{ (rectangle with 3/8 shaded)} - \frac{1}{8} \text{ (rectangle with 1/8 shaded)} = \frac{\square}{\square} \text{ (rectangle with 0/8 shaded)}$$



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These 12 worksheets review subtracting fractions with models again, but this time, students **write in the final fraction value.**

- coloring in the answer
- cut and paste the correct model

Worksheet set #3

Color in the answer to each subtraction problem below. **There may be more strawberries than you need.**

$$\begin{array}{r} \text{2 strawberries} \\ \hline \text{3 strawberries} \end{array} - \begin{array}{r} \text{1 strawberry} \\ \hline \text{3 strawberries} \end{array} = \begin{array}{r} \text{3 strawberries} \\ \hline \text{3 strawberries} \end{array}$$

$$\begin{array}{r} \text{3 strawberries} \\ \hline \text{4 strawberries} \end{array} - \begin{array}{r} \text{1 strawberry} \\ \hline \text{4 strawberries} \end{array} = \begin{array}{r} \text{4 strawberries} \\ \hline \text{4 strawberries} \end{array}$$

$$\begin{array}{r} \text{3 strawberries} \\ \hline \text{3 strawberries} \end{array} - \begin{array}{r} \text{2 strawberries} \\ \hline \text{3 strawberries} \end{array} = \begin{array}{r} \text{3 strawberries} \\ \hline \text{3 strawberries} \end{array}$$

$$\begin{array}{r} \text{2 strawberries} \\ \hline \text{2 strawberries} \end{array} - \begin{array}{r} \text{1 strawberry} \\ \hline \text{2 strawberries} \end{array} = \begin{array}{r} \text{2 strawberries} \\ \hline \text{2 strawberries} \end{array}$$

$$\begin{array}{r} \text{2 strawberries} \\ \hline \text{4 strawberries} \end{array} - \begin{array}{r} \text{1 strawberry} \\ \hline \text{4 strawberries} \end{array} = \begin{array}{r} \text{4 strawberries} \\ \hline \text{4 strawberries} \end{array}$$

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Color in the answer to each subtraction problem below.

$$\begin{array}{r} \text{2 green peppers} \\ \hline \text{3 green peppers} \end{array} - \begin{array}{r} \text{1 green pepper} \\ \hline \text{3 green peppers} \end{array} = \boxed{}$$

$$\begin{array}{r} \text{2 green peppers} \\ \hline \text{2 green peppers} \end{array} - \begin{array}{r} \text{1 green pepper} \\ \hline \text{2 green peppers} \end{array} = \boxed{}$$

$$\begin{array}{r} \text{4 green peppers} \\ \hline \text{4 green peppers} \end{array} - \begin{array}{r} \text{1 green pepper} \\ \hline \text{4 green peppers} \end{array} = \boxed{}$$

$$\begin{array}{r} \text{3 green peppers} \\ \hline \text{3 green peppers} \end{array} - \begin{array}{r} \text{1 green pepper} \\ \hline \text{3 green peppers} \end{array} = \boxed{}$$

$\begin{array}{r} \text{2 green peppers} \\ \hline \text{3 green peppers} \end{array}$	$\begin{array}{r} \text{3 green peppers} \\ \hline \text{4 green peppers} \end{array}$	$\begin{array}{r} \text{1 green pepper} \\ \hline \text{3 green peppers} \end{array}$	$\begin{array}{r} \text{1 green pepper} \\ \hline \text{2 green peppers} \end{array}$
--	--	---	---

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These 12 worksheets review subtracting fractions with pictures.

- coloring in the answer (includes an errorless version)
- cut and paste the correct model

Color in the answer to each subtraction problem below. There may be more peppers than you need.

$$\frac{3}{3} \frac{\text{peppers}}{\text{peppers}} - \frac{1}{3} \frac{\text{pepper}}{\text{peppers}} = \frac{\square}{\square} \frac{\text{peppers}}{\text{peppers}}$$

$$\frac{2}{2} \frac{\text{peppers}}{\text{peppers}} - \frac{1}{2} \frac{\text{pepper}}{\text{peppers}} = \frac{\square}{\square} \frac{\text{peppers}}{\text{peppers}}$$

$$\frac{4}{4} \frac{\text{peppers}}{\text{peppers}} - \frac{2}{4} \frac{\text{peppers}}{\text{peppers}} = \frac{\square}{\square} \frac{\text{peppers}}{\text{peppers}}$$

$$\frac{4}{4} \frac{\text{peppers}}{\text{peppers}} - \frac{3}{4} \frac{\text{peppers}}{\text{peppers}} = \frac{\square}{\square} \frac{\text{peppers}}{\text{peppers}}$$

$$\frac{4}{4} \frac{\text{peppers}}{\text{peppers}} - \frac{1}{4} \frac{\text{pepper}}{\text{peppers}} = \frac{\square}{\square} \frac{\text{peppers}}{\text{peppers}}$$

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Worksheet set #4

These 12 worksheets review subtracting fractions with pictures again, but this time, students **write in the final fraction value.**

- coloring in the answer (includes an errorless version)
- cut and paste the correct model

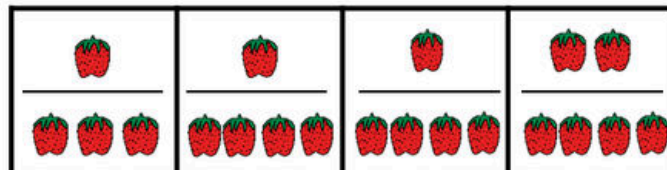
Color in the answer to each subtraction problem below.

$$\frac{2}{3} \frac{\text{strawberries}}{\text{strawberries}} - \frac{1}{3} \frac{\text{strawberry}}{\text{strawberries}} = \frac{\square}{\square} \frac{\text{strawberries}}{\text{strawberries}}$$

$$\frac{3}{4} \frac{\text{strawberries}}{\text{strawberries}} - \frac{2}{4} \frac{\text{strawberries}}{\text{strawberries}} = \frac{\square}{\square} \frac{\text{strawberries}}{\text{strawberries}}$$

$$\frac{2}{4} \frac{\text{strawberries}}{\text{strawberries}} - \frac{1}{4} \frac{\text{strawberry}}{\text{strawberries}} = \frac{\square}{\square} \frac{\text{strawberries}}{\text{strawberries}}$$

$$\frac{3}{4} \frac{\text{strawberries}}{\text{strawberries}} - \frac{1}{4} \frac{\text{strawberry}}{\text{strawberries}} = \frac{\square}{\square} \frac{\text{strawberries}}{\text{strawberries}}$$



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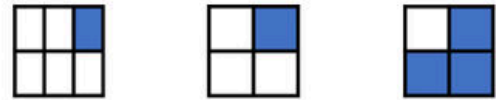
Name: _____

Quiz

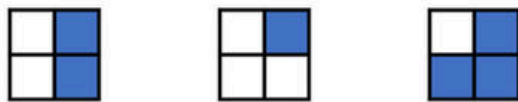
1. Circle the 2 fractions with the same denominators.



2. Circle the 2 fractions with the same denominators.



3. Circle the answer to: $\frac{3}{4} - \frac{1}{4} = ?$



4. Circle the answer to: $\frac{1}{3} - \frac{1}{3} = ?$



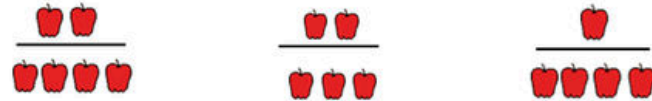
©Christa Joy, SNSK

Quiz

There is a short quiz to assess if more teaching is needed.

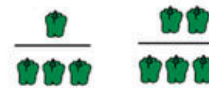
This is also used as the preassessment.

5. Circle the answer to: $\frac{2}{5} - \frac{1}{5} = ?$



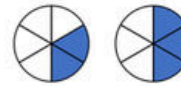
6. Do these two fractions have the same denominator?

- A. Yes
- B. No
- C. I don't know

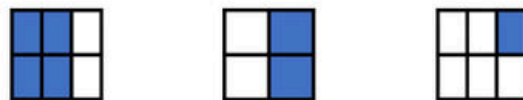


7. Do these two fractions have the same denominator?

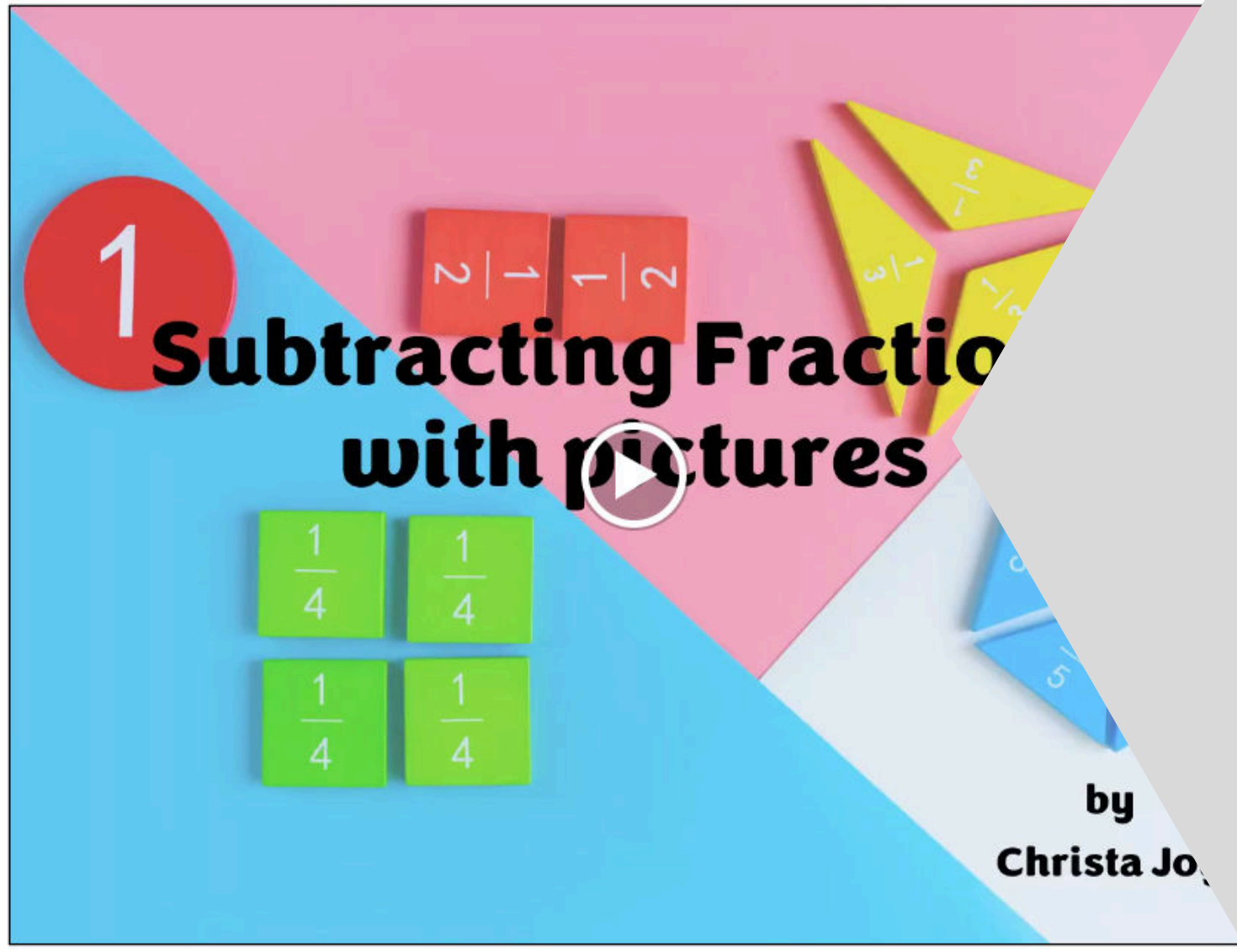
- A. Yes
- B. No
- C. I don't know



8. Subtract these two fractions. $\frac{3}{4} - \frac{1}{4} = ?$



Watch the movie on Subtracting Fractions with Pictures



This unit also has digital activities. There is a movie version of the book that students can listen to read aloud.

Great for review

$\frac{2}{2} - \frac{1}{2} = \frac{\square}{\square}$	$\frac{3}{3} - \frac{1}{3} = \frac{\square}{\square}$	$\frac{3}{3} - \frac{2}{3} = \frac{\square}{\square}$	$\frac{2}{5} - \frac{1}{5} = \frac{\square}{\square}$	$\frac{4}{4} - \frac{1}{4} = \frac{\square}{\square}$

1. Match the correct fraction model to each problem.
2. Type in the correct fraction value of the answer in the blue box.

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The digital activities require students to click and drag their answers. This set includes a few slides where students will type in their answers.

Perfect for every learning level

1. Match the correct fraction model to each problem.
2. Type in the correct fraction value of the answer in the blue box.

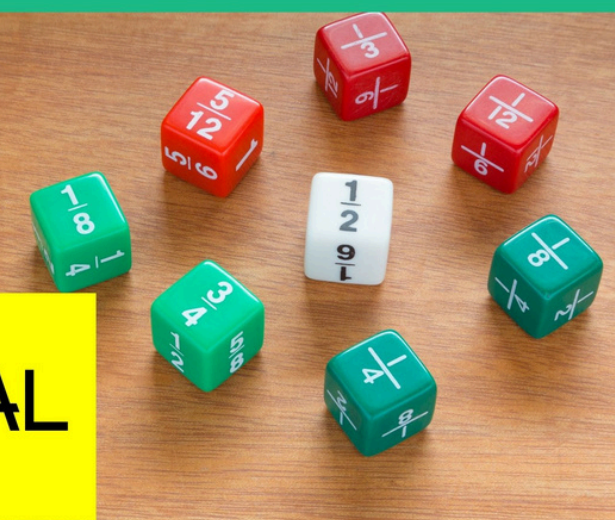
©Christa Joy, SNSK

The second set of slides is differentiated using color, and no typing is needed.

If you are looking for a higher level unit that uses numbers and addresses fractions with like and unlike denominators, check out this unit.


CLICK HERE 

SUBTRACTING FRACTIONS



FOR SPECIAL ED

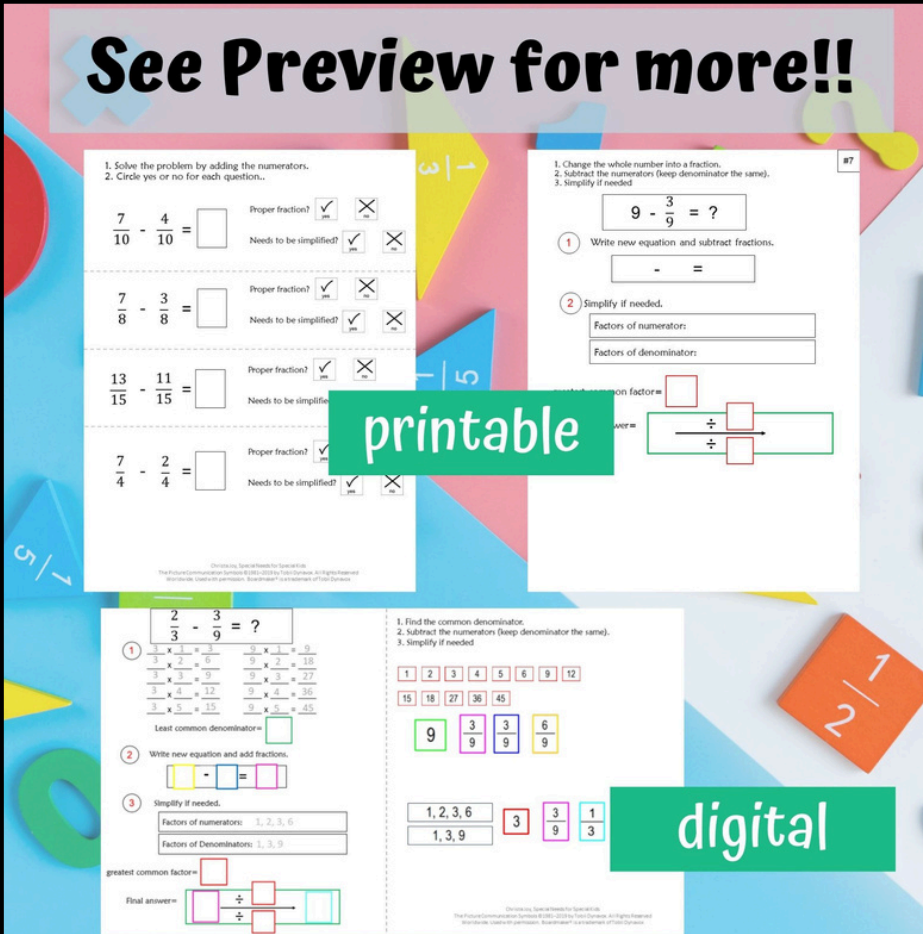
ALSO INCLUDES GOOGLE SLIDES



See Preview for more!!

printable

digital



The preview shows two pages of worksheets. The top page includes problems like $\frac{7}{10} - \frac{4}{10} = \square$ with checkboxes for 'Proper fraction?' and 'Needs to be simplified?'. It also features a problem $9 - \frac{3}{9} = ?$ with steps: 1. Write new equation and subtract fractions, 2. Simplify if needed. The bottom page shows a problem $\frac{2}{3} - \frac{3}{9} = ?$ with a grid for factors of numerators and denominators, and a final answer box.