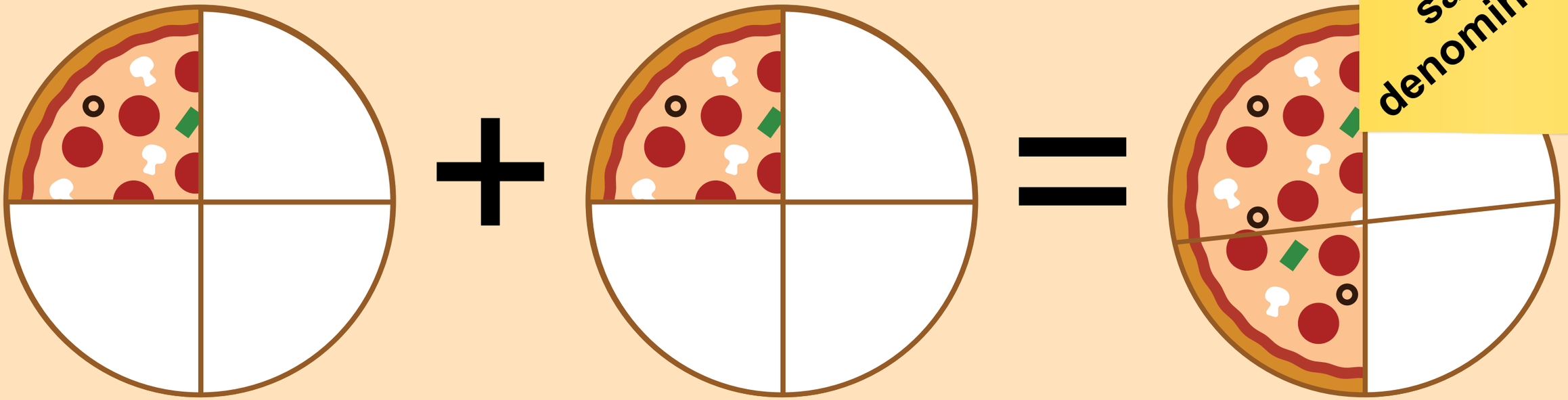
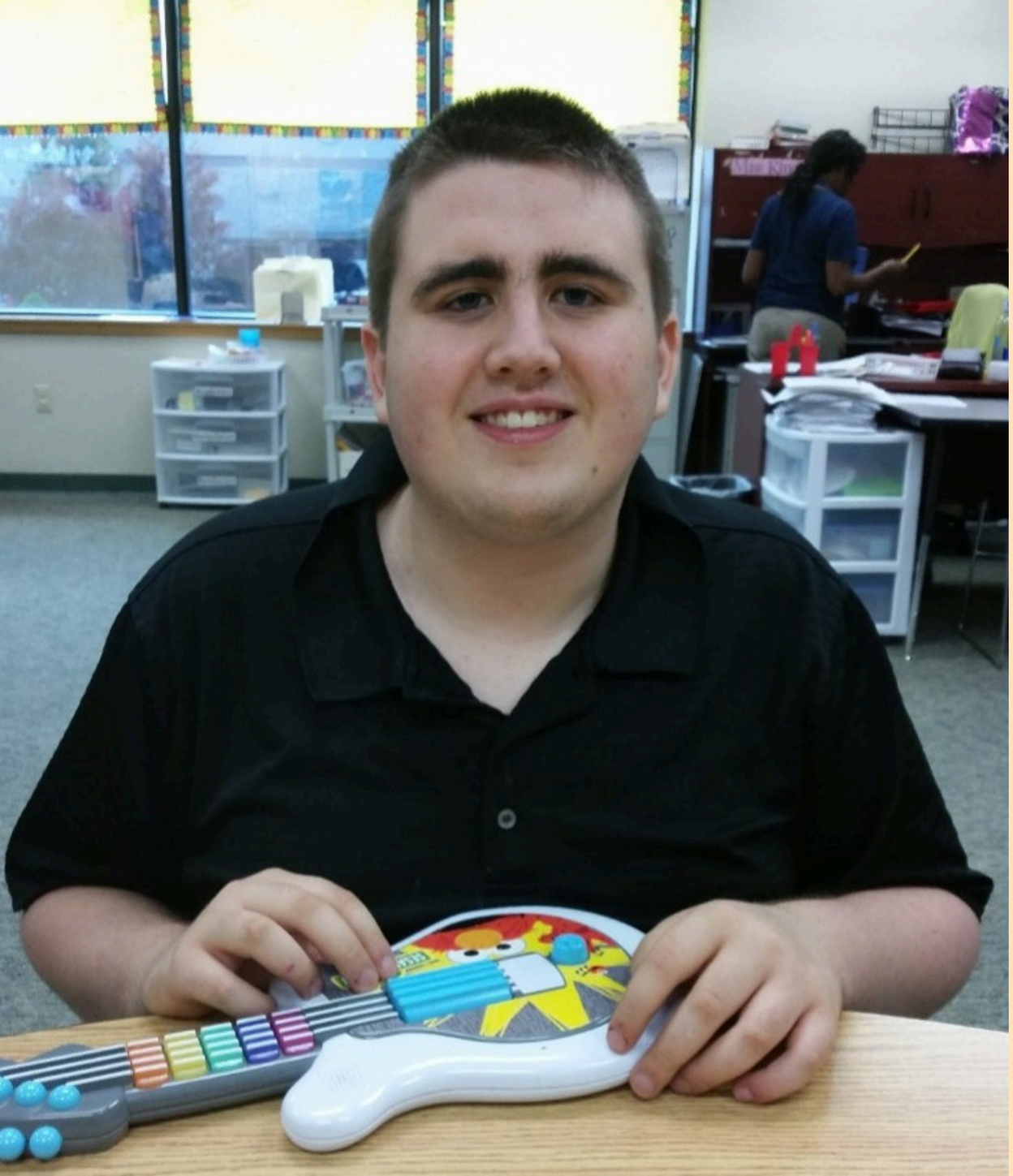
ADDING FRACTIONS WITH MODELS

With same denominators



MAKING MATH ACCESSIBLE TO ALL LEARNERS



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

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In a separate files:

- Lesson plans
- Directions and links to digital version of the activities
- Adding 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.

What's Included

2 weeks of Lesson Plans

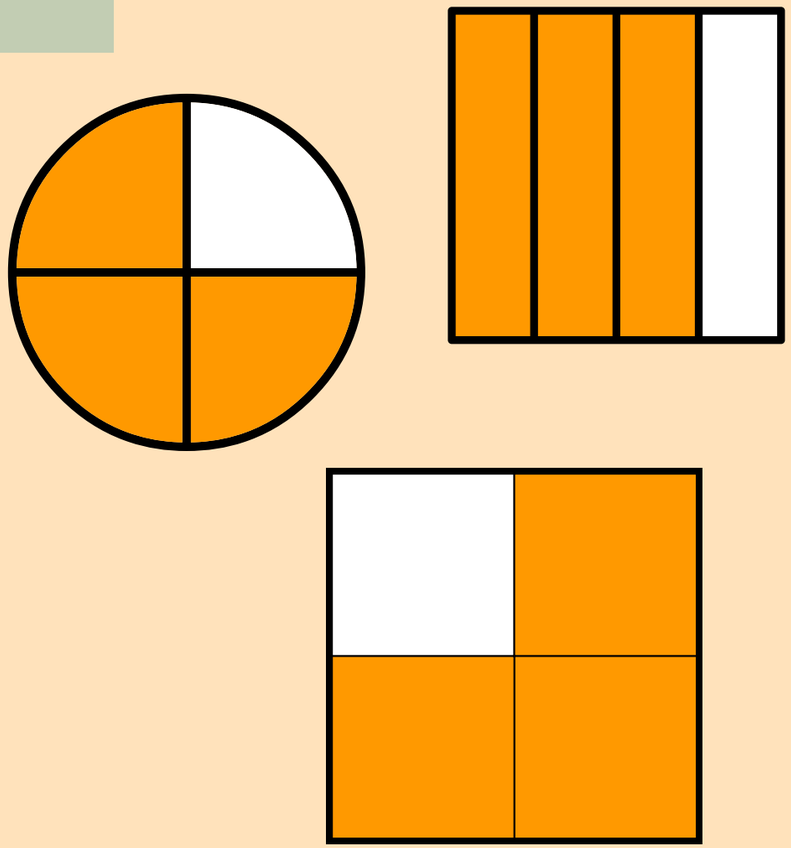
13-Slide PowerPoint & MP4 Video

Bingo & Fraction Cards

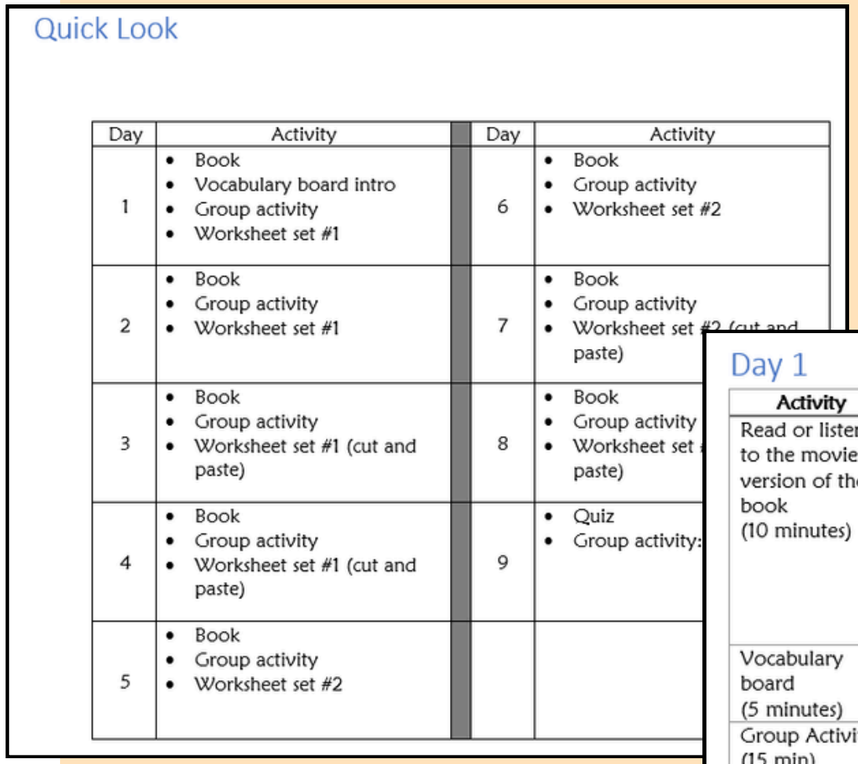
Group Activities

Worksheets:

- Subtraction using models
- Subtraction, including writing in fraction values
- Quiz
- Digital Activities

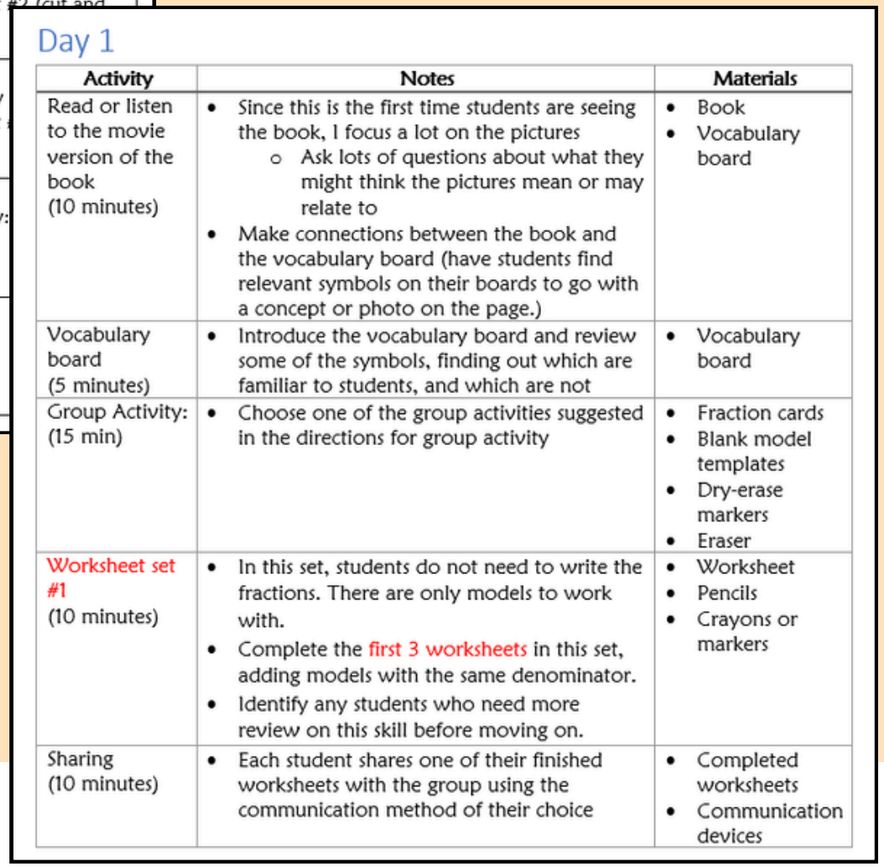


Lesson Plan



Quick Look

Day	Activity	Day	Activity
1	• Book • Vocabulary board intro • Group activity • Worksheet set #1	6	• Book • Group activity • Worksheet set #2
2	• Book • Group activity • Worksheet set #1	7	• Book • Group activity • Worksheet set #2 (cut and paste)
3	• Book • Group activity • Worksheet set #1 (cut and paste)	8	• Book • Group activity • Worksheet set # (cut and paste)
4	• Book • Group activity • Worksheet set #1 (cut and paste)	9	• Quiz • Group activity:
5	• Book • Group activity • Worksheet set #2		



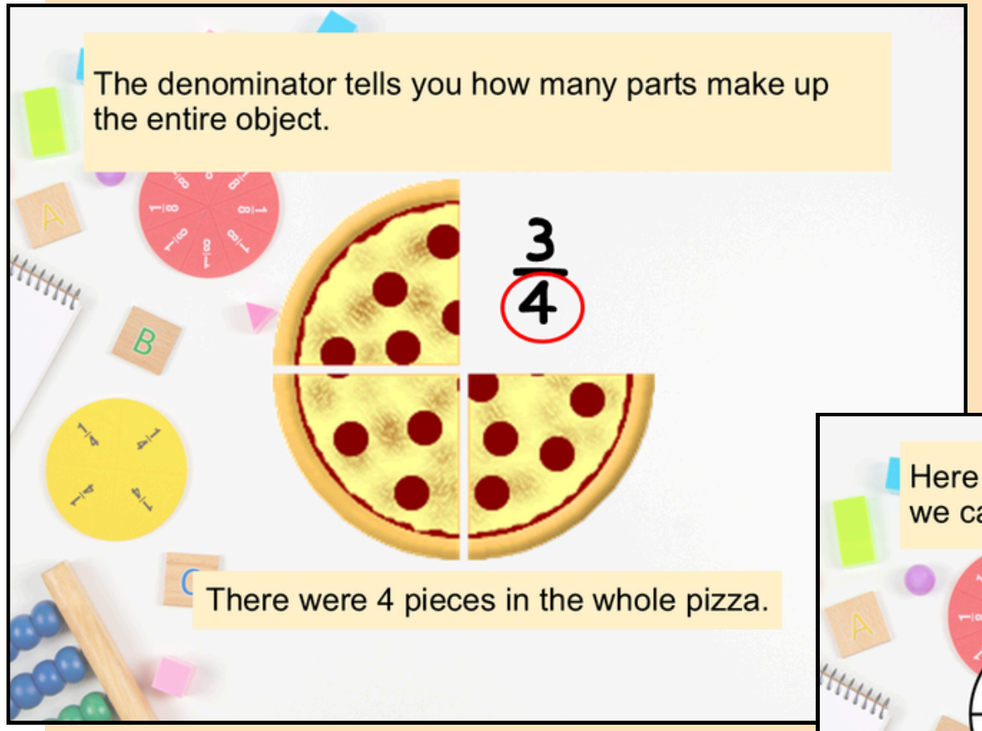
Day 1

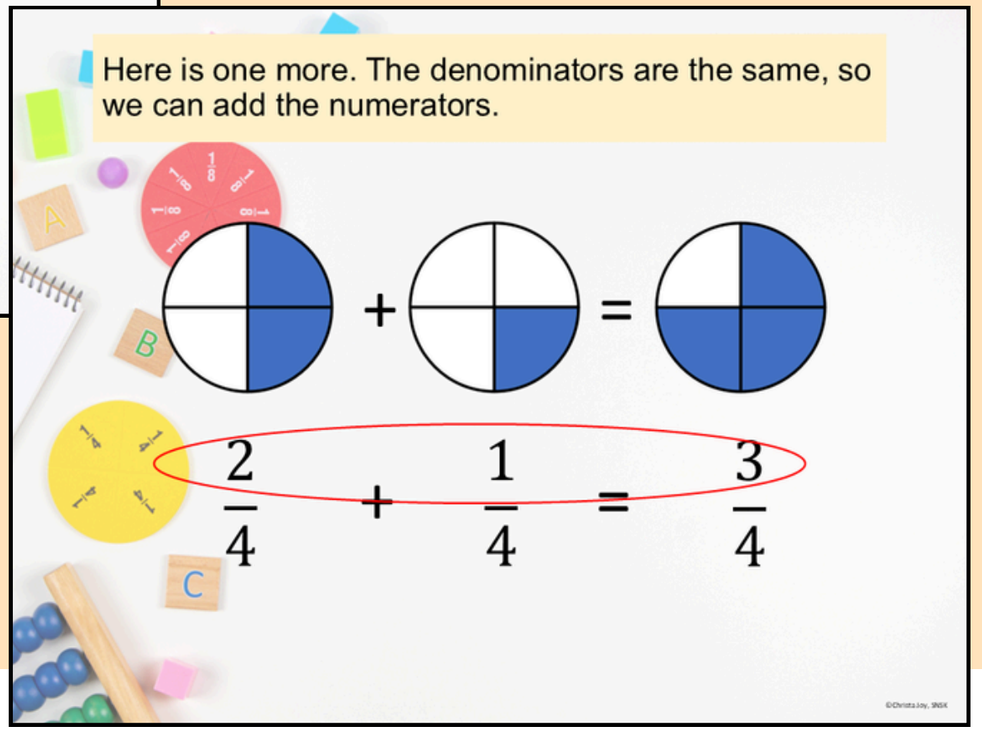
Activity	Notes	Materials
Read or listen to the movie version of the book (10 minutes)	• Since this is the first time students are seeing the book, I focus a lot on the pictures ○ Ask lots of questions about what they might think the pictures mean or may relate to • Make connections between the book and the vocabulary board (have students find relevant symbols on their boards to go with a concept or photo on the page.)	• Book • Vocabulary board
Vocabulary board (5 minutes)	• Introduce the vocabulary board and review some of the symbols, finding out which are familiar to students, and which are not	• Vocabulary board
Group Activity: (15 min)	• Choose one of the group activities suggested in the directions for group activity	• Fraction cards • Blank model templates • Dry-erase markers • Eraser
Worksheet set #1 (10 minutes)	• In this set, students do not need to write the fractions. There are only models to work with. • Complete the first 3 worksheets in this set, adding models with the same denominator. • Identify any students who need more review on this skill before moving on.	• Worksheet • Pencils • Crayons or markers
Sharing (10 minutes)	• Each student shares one of their finished worksheets with the group using the communication method of their choice	• Completed worksheets • Communication devices

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

PowerPoint



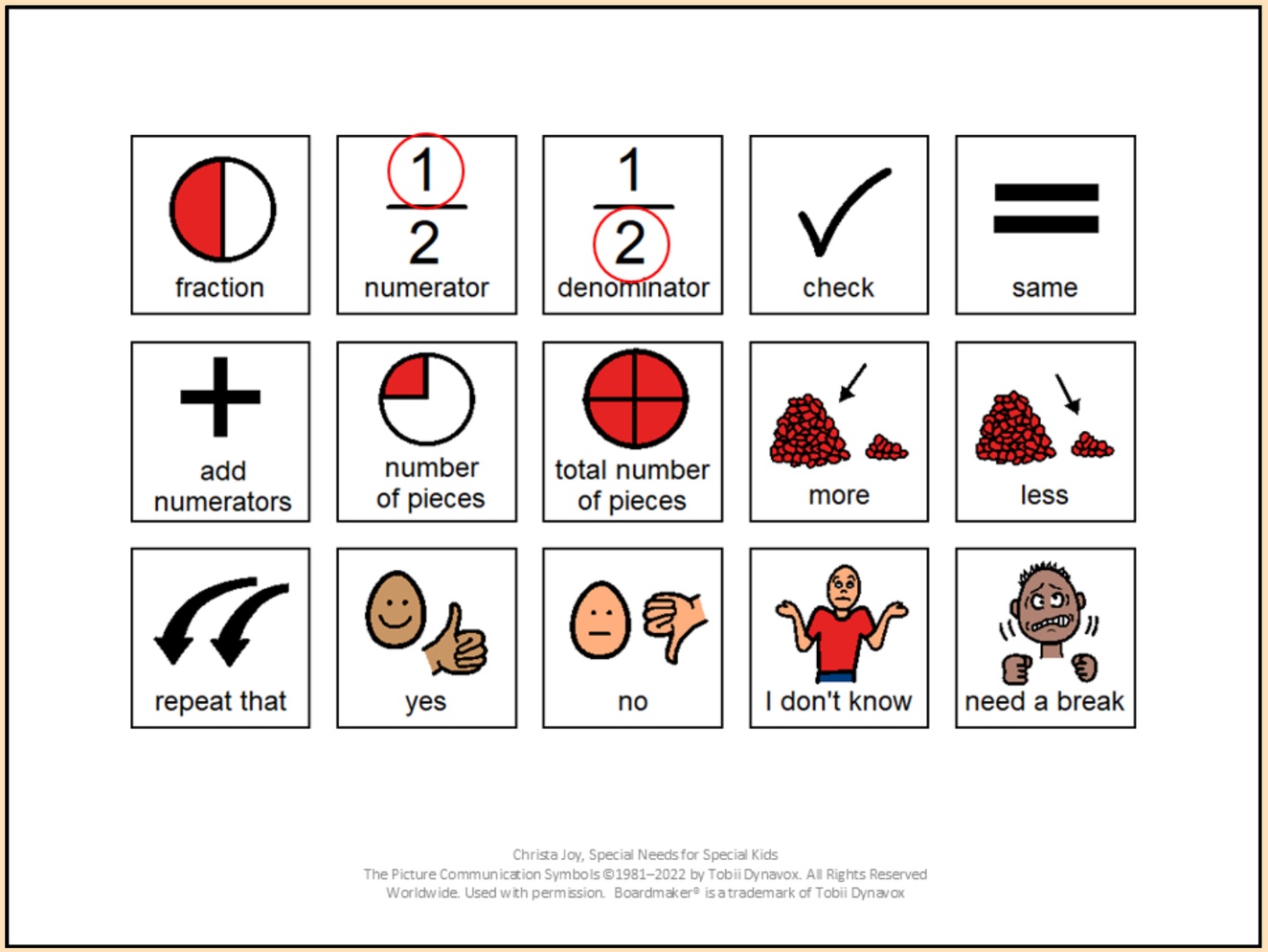


13 slide **PowerPoint** using photos and simple text.

PowerPoint

mp4 video file

Vocabulary



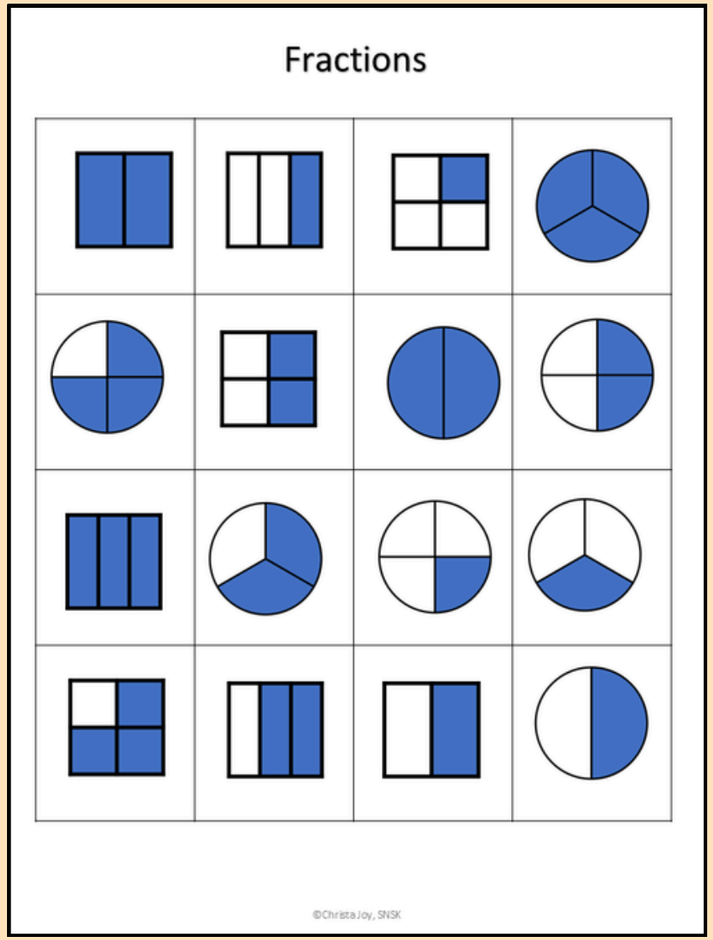
This unit comes with a vocabulary board.

- Improve **participation.**
- Increase **engagement** in group discussions.
- Daily group activities.

Bingo

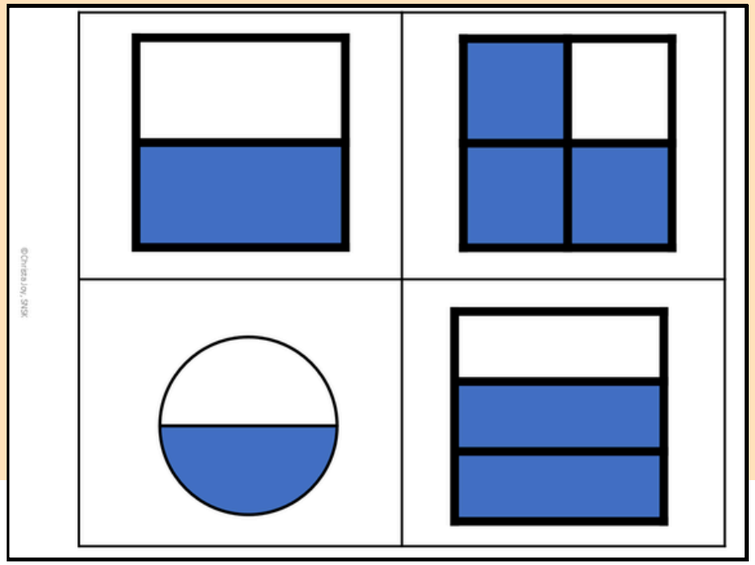
Bingo cards

- 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



One of the group activities included is a Bingo game.

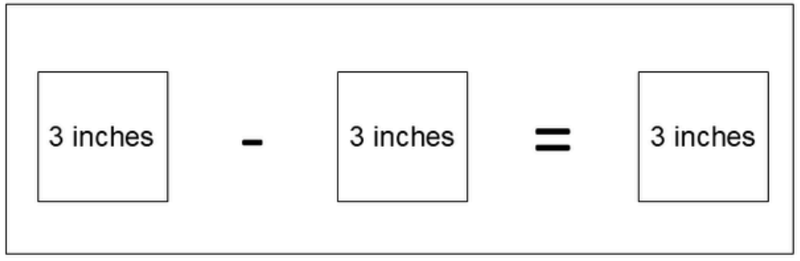
Calling cards are included.

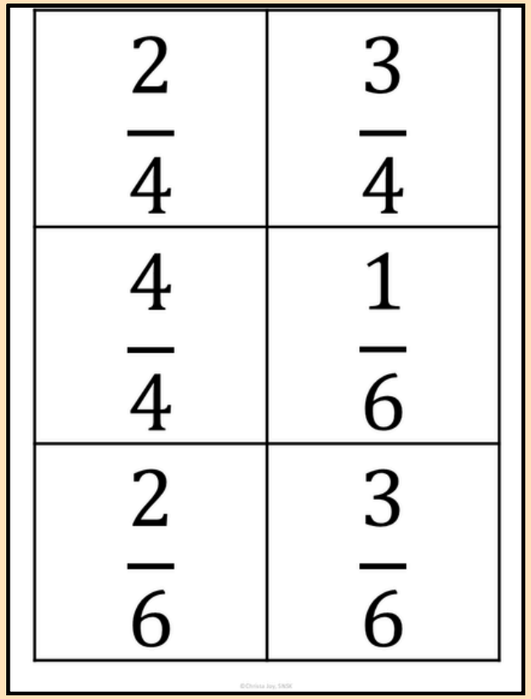


Group Activities

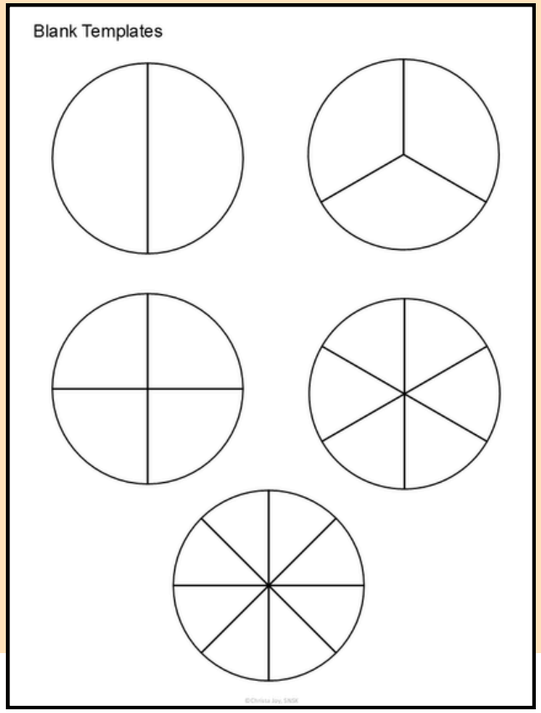
Hands on fraction activities

- 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.

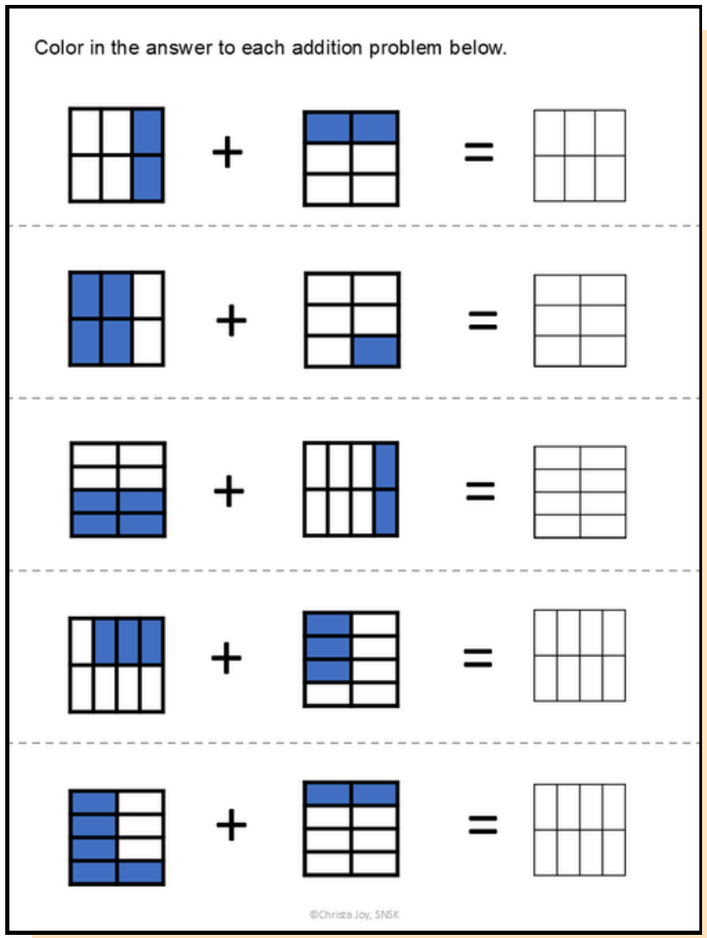


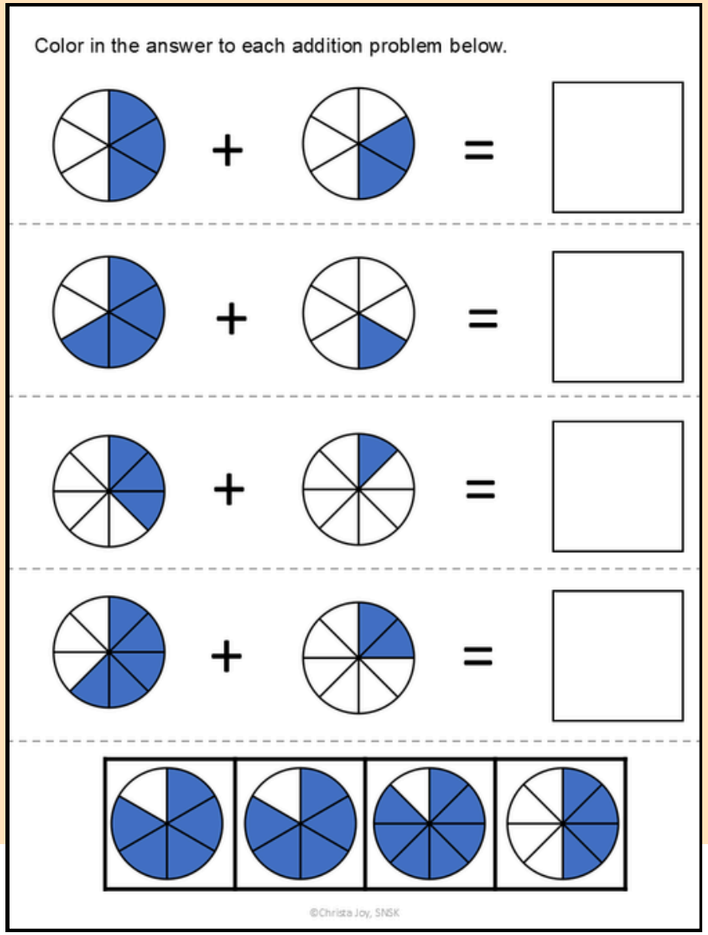


Students will work with fraction models in various ways.



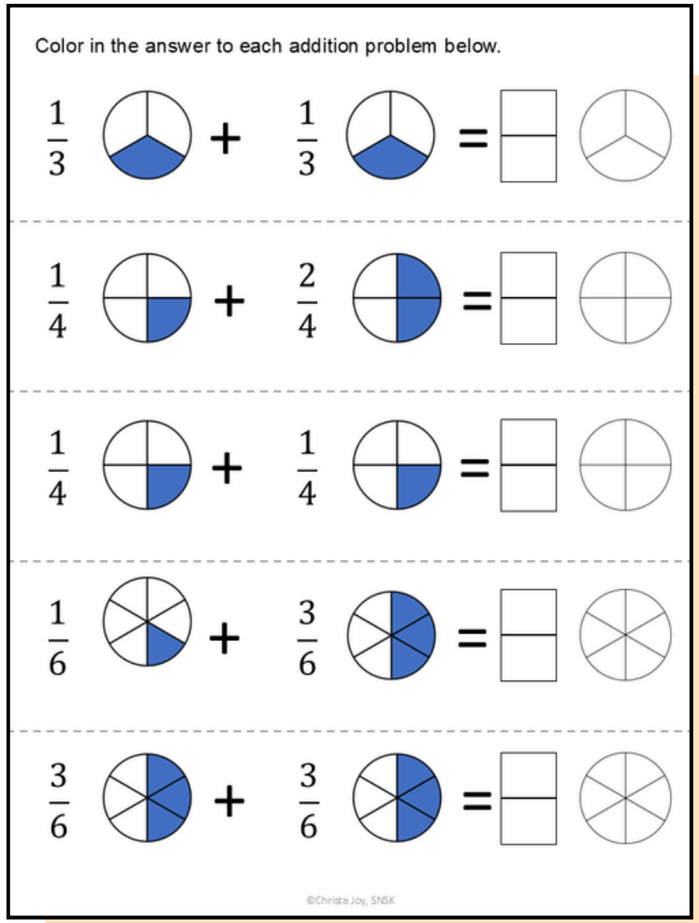
Worksheet Set 1



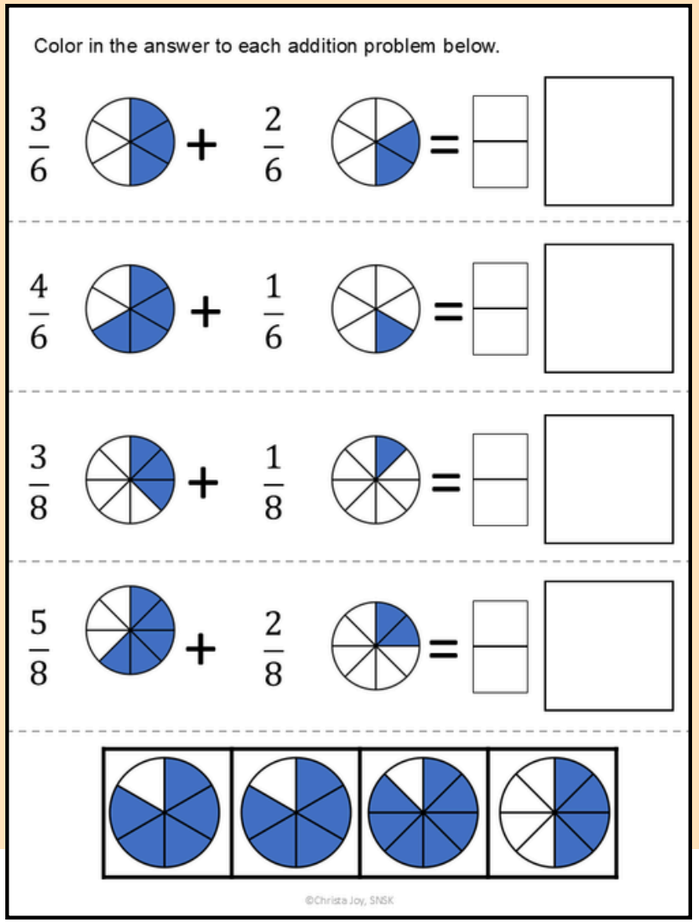


These 12 worksheets review the addition of fractions using models.

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



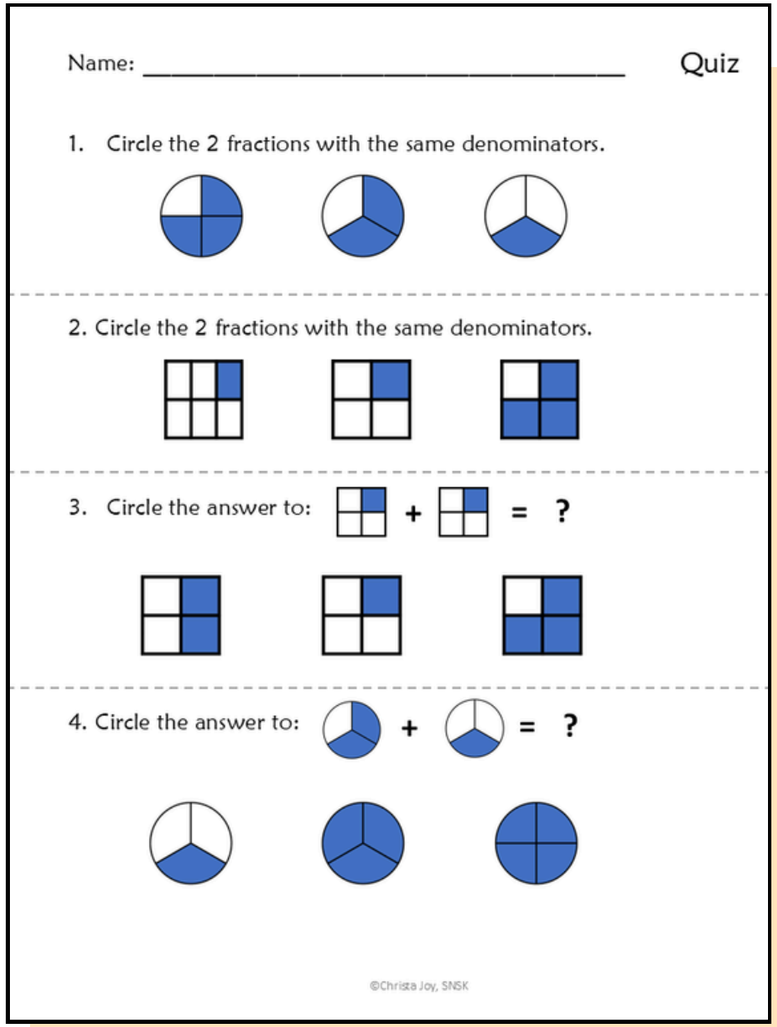
Worksheet Set 2



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

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

Quiz



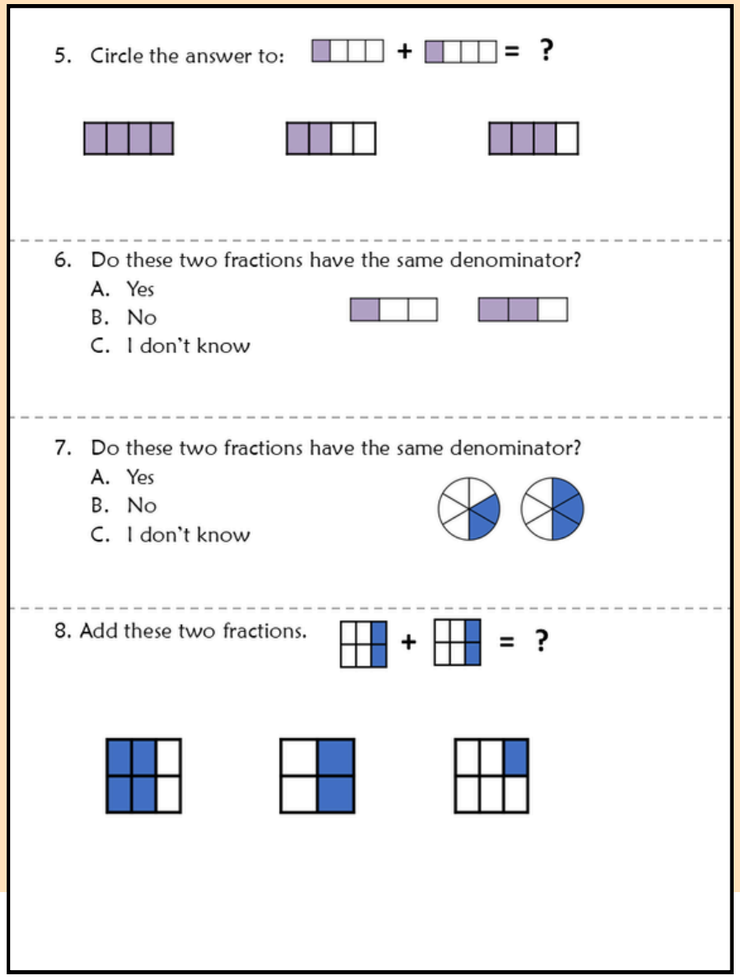
Name: _____ Quiz

1. Circle the 2 fractions with the same denominators.

2. Circle the 2 fractions with the same denominators.

3. Circle the answer to: + = ?

4. Circle the answer to: + = ?



5. Circle the answer to: + = ?

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. Add these two fractions. + = ?

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

This is also used as the preassessment.

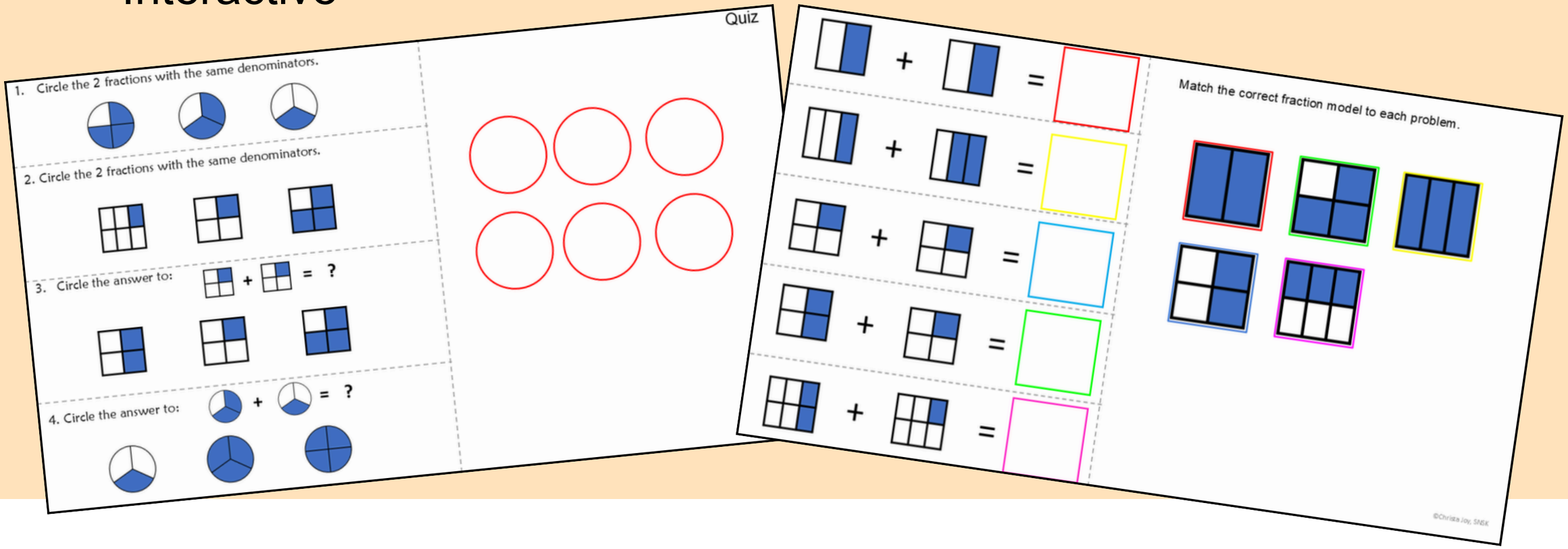
Digital Activities

Provide extra practice

Great independent work centers

Include a differentiated set of slides

Interactive



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