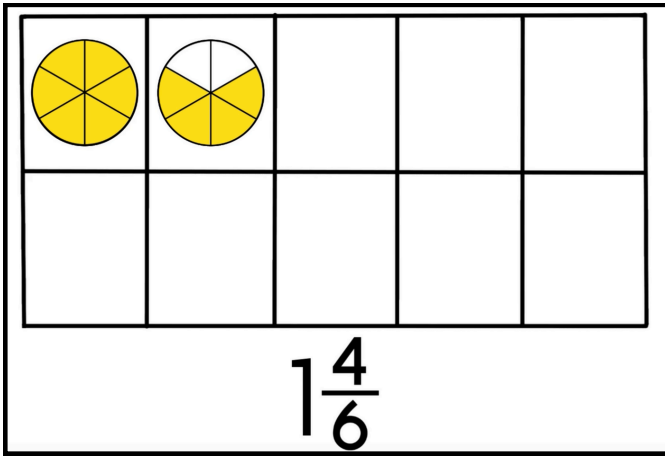


# COUNT TO FIVE BY SIXTHS

## EXTENSION ACTIVITIES AND TEACHING IDEAS



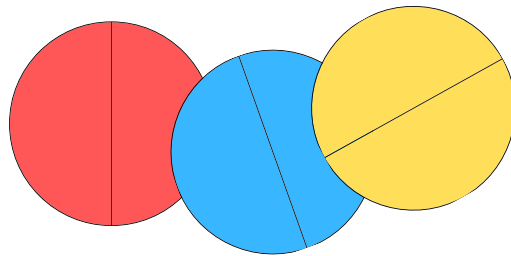
Find the accompanying video on  
YouTube here:

<https://www.youtube.com/watch?v=RV5JXLz503Y&t=13s>

### Incorporate Concrete Manipulatives

Concrete manipulatives are essential to help students build understanding. If you have access to **fraction manipulatives**, have students physically move the one-sixth pieces as they count, “one-sixth, two-sixths, three-sixths,” etc.

If you do not have access to fraction manipulatives, have your students create some one-sixth pieces using the tracers on the following page.



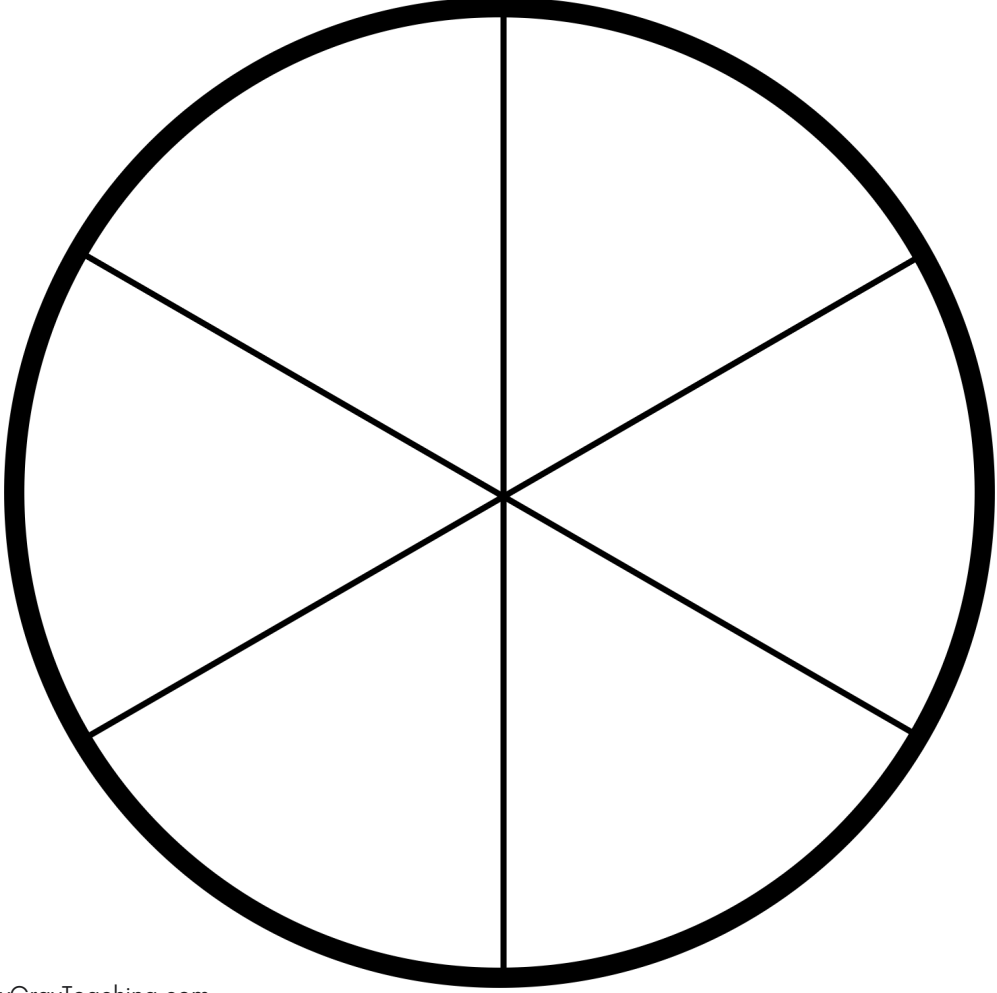
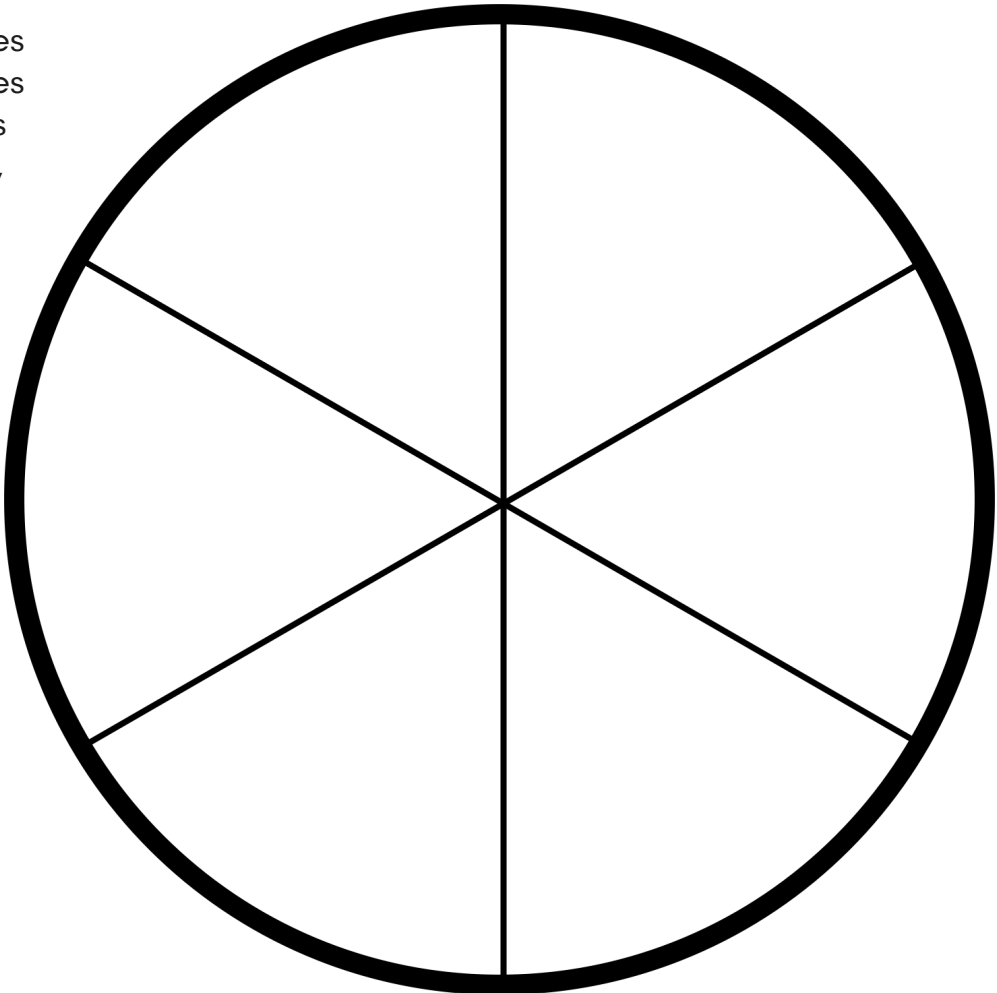
### Extension Questions

Use these as whole class or small group discussions after viewing the video. Alternatively use these as **thinking tasks** and have students collaborate in groups to discuss their thoughts.

- How many one-sixth pieces are in 2 whole circles? 3? 4? Do you notice any patterns?
- How many one-sixth pieces would be in 40 whole circles? How do you know?
- If I had 25 one-sixth pieces, how many whole circles would I have? How do you know?
- What if we counted by thirds instead of sixths? Would that take us more time or less time? How do you know?

**Tracers**

Make multiple copies so you have 5 wholes in all. Have students count to 5 by sixths, moving each piece as they count.



# MORE HELPFUL RESOURCES

## TO TEACH FRACTION UNDERSTANDING

Teaching Math Using the Concrete Representational Abstract Model

WWW.SHELLEYGRAYTEACHING.COM

The image shows a 2x10 grid. The top row has 9 green circles and 1 blue circle. The bottom row has 3 blue circles and 7 empty squares. To the right, the equation  $9+4=10+3$  is written. Labels include 'concrete' pointing to the grid, 'abstract' pointing to the equation, and 'representational' pointing to a row of small squares below the grid.

Interested in learning more about teaching using the Concrete Representational Abstract (CRA) Model?

Read more here:

<https://shelleygrayteaching.com/concrete-representational-abstract-model/>

Build fraction understanding in a meaningful and relevant way!

**FRACTION PROJECT**  
RUN A PIZZA PLACE  
SHELLEY GRAY

14 FUN TASKS NO PREP PRINT & DIGITAL

A "REAL-LIFE" MATH PROJECT

**RUN A PIZZA PLACE: A Fraction Project**

Incorporate practical real-life application of 3rd and 4th grade fraction concepts including:

- fractions on a number line
- identifying and comparing
- simple equivalent fractions
- visual models

CREATED BY SHELLEY GRAY

BRING FRACTIONS TO LIFE!

**MATH FRACTION VOCABULARY**  
SHELLEY GRAY

**MYSTERY FRACTIONS**

MYSTERY FRACTION #1  
Look for clues to identify the fractions.

MYSTERY FRACTION #3  
Look for clues to determine the fractions.

printable & digital

A "Real-Life" Math Project

**RUN A COFFEE SHOP: A FRACTION PROJECT**  
BEST-SUITED FOR GRADES 4-6

Incorporate practical, real-life application of fraction concepts including:

- equivalent fractions
- decomposing
- adding and subtracting fractions
- mixed fractions
- comparing and ordering
- problem-solving

CREATED BY SHELLEY GRAY

**FRACTIONS ON A NUMBER LINE**  
Task Cards

Created by Shelley Gray

**FRACTION AND DECIMAL**  
of the day

60 activities to facilitate real understanding

SHELLEY GRAY

A Real Life Math Project

**RUN AN ICE CREAM SHOP MATH PROJECT**

In this math project, students will use beginning fraction skills to work with the various aspects of running an ice cream shop:

- working with simple fractions
- identifying the part and the whole
- representing fractions with a visual model
- fractions on a number line
- comparing simple fractions
- and more!

Schedule REATED BY SHELLEY GRAY