

FRACTION

Brochures



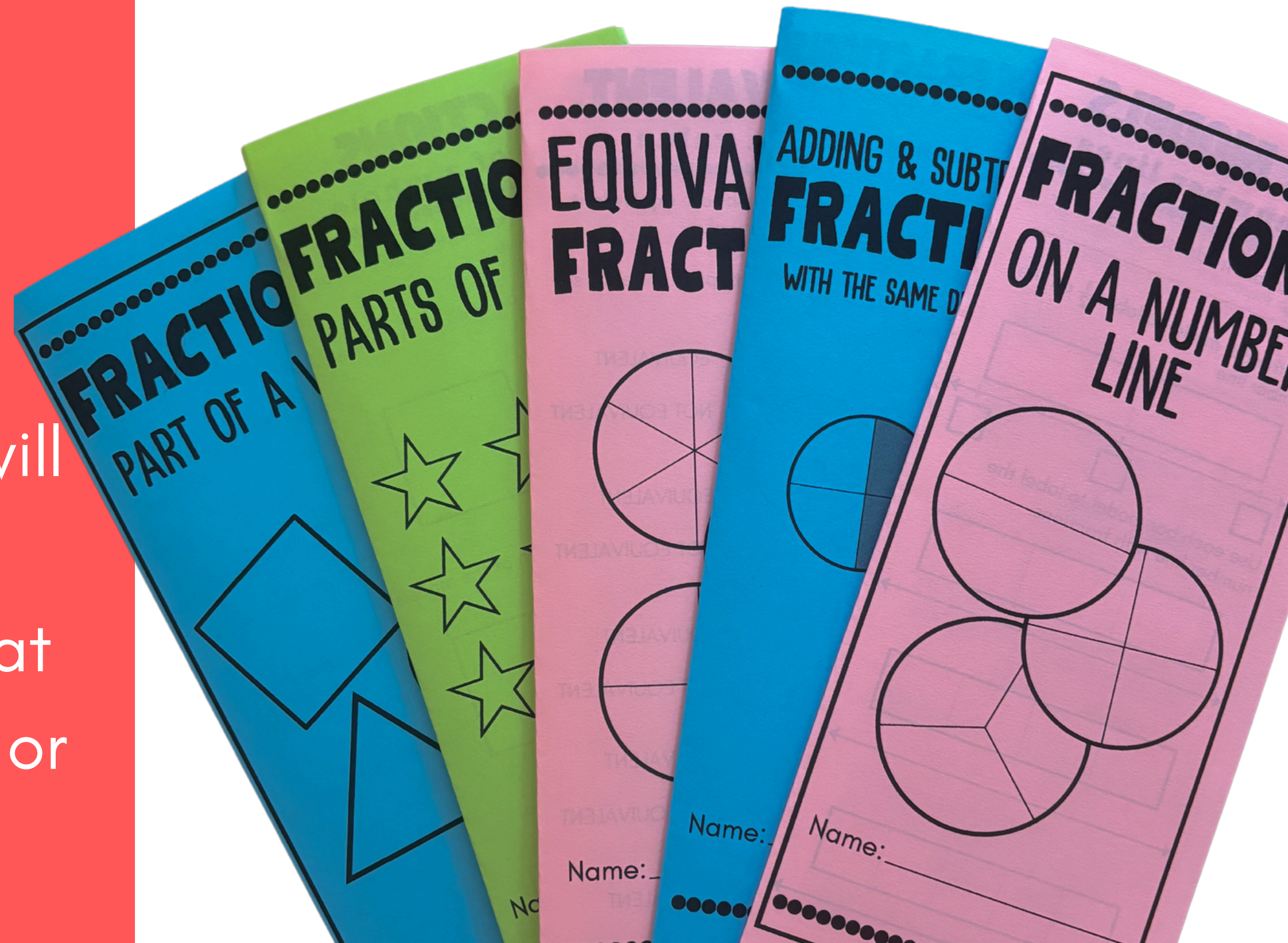
GRADES
3-5

SHELLEY GRAY

Teaching or reinforcing

*beginning fraction
concepts?*

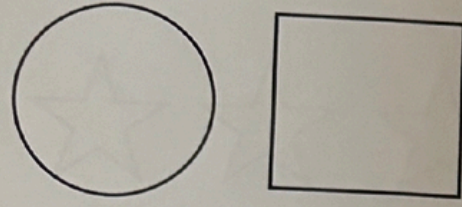
These engaging brochures will be a fun addition to your fractions unit, making a great guided introduction, review, or reinforcement task!



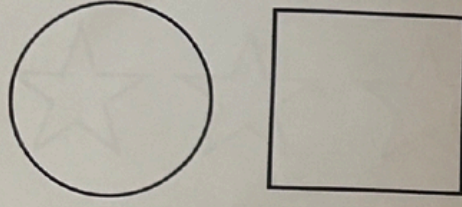
Each brochure has an emphasis on **visual models**, helping your students build a deep understanding of what the concepts really mean.

FRACTIONS: parts of a whole
 Let's practice visualizing fractions as parts of a whole.

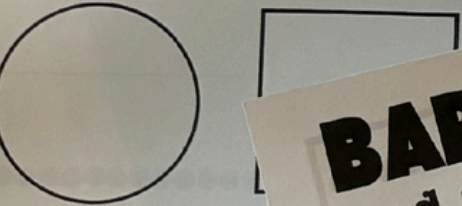
Show **one-half** on each of the models below.



Show **one-third** on each of the models below.



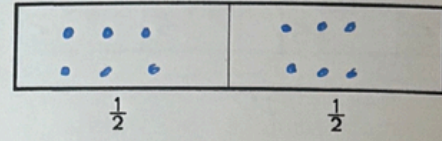
Show **one-fourth** on each of the models below.



FRACTIONS: parts of a set
 We can also use fractions to describe parts of a set of objects.

For example, let's find one-half of these 12 dots. ●●●●●●●●●●●●


Transfer the 12 dots to this bar model. There must be an equal number of dots in each one-half piece.



What is one-half of 12? 6

Now let's find **one-third** of the 12 dots.

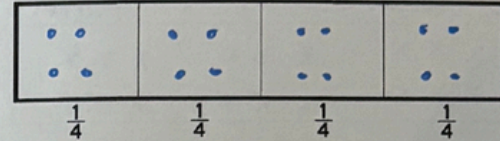
Transfer the 12 dots to this bar model. There must be an equal number of dots in each one-third piece.



Visualizing With BAR MODELS
 Use bar models to find the fraction of each set.

Nick has 16 candies and will give one-fourth of them away. How many does he give away?

Draw the candies inside each one-fourth piece.



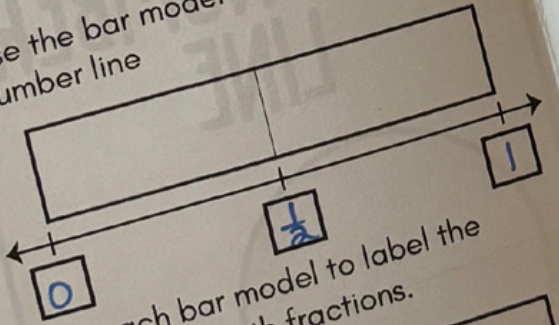
Nick gives away 4 candies.

What if Nick gives three-fourth candies away? How many does he give away?

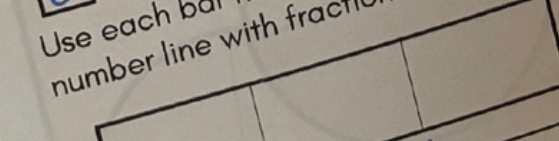
BAR MODELS and number lines
 We can use bar models to represent parts.

Does this bar model show halves or thirds? halves

Use the bar model to label $\frac{1}{2}$ on the number line

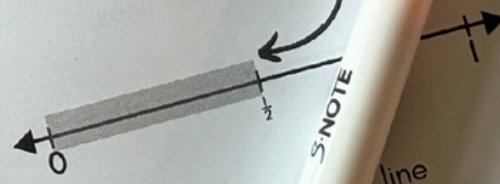


Use each bar model to label the number line with fractions.

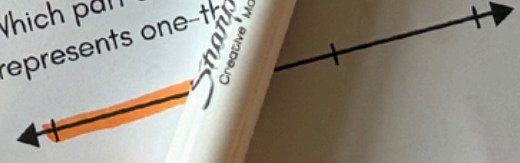


Number lines for PARTS
 We can use number lines to represent parts.

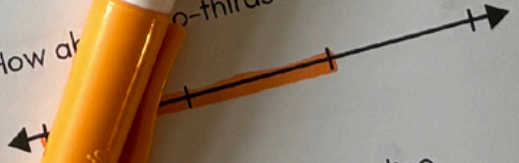
For example, this part of the number line represents one-half.



Which part of this number line represents one-third?




How many thirds?

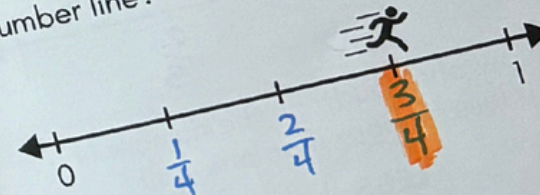



Number lines for LENGTHS
 We can also use number lines to show lengths. Lengths are represented by a certain point on the number line.

For example, if this number line represents a race you are running, this point marks the half-way point.



At what point is the runner at on each number line?

You'll find five brochures
inside this package.



- ✓ Fractions as parts of a whole
- ✓ Fractions as parts of a set
- ✓ Fractions on a number line
- ✓ Equivalent fractions
- ✓ Adding and subtracting fractions with the same denominator