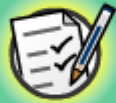


$$5 \times 7 = 35$$
$$20 + 2 = 22$$

# Fractions



## Common core icons



This icon indicates a slide where the Standards for Mathematical Practice are being developed. Details of these are given in the Notes field.



Slides containing examples of mathematical modeling are marked with this stamp.



This icon indicates an opportunity for discussion or group work.

The **Standards for Mathematical Practice** outlined in the Common Core State Standards for Mathematics describe varieties of expertise that mathematics educators at all levels should seek to develop in their students.

These are:

- 1) **Make sense of problems and persevere in solving them.**
- 2) **Reason abstractly and quantitatively.**
- 3) **Construct viable arguments and critique the reasoning of others.**
- 4) **Model with mathematics.**
- 5) **Use appropriate tools strategically.**
- 6) **Attend to precision.**
- 7) **Look for and make use of structure.**
- 8) **Look for and express regularity in repeated reasoning.**



This icon indicates that the slide contains activities created in Flash. These activities are not editable.



This icon indicates teacher's notes in the Notes field.



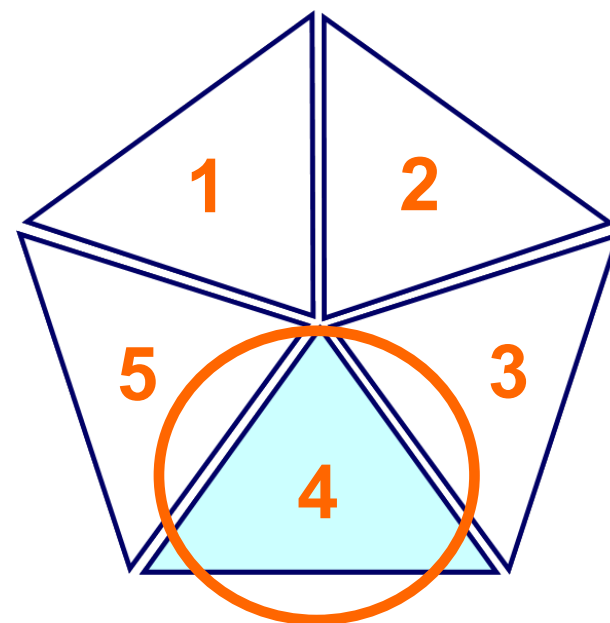
Amy is sharing a pizza with three friends. How can she divide the pizza into four equal pieces?



All fractions contain at least two numbers. The bottom number, or **denominator**, shows how many parts the shape or number is divided into.

numerator →  $\frac{1}{5}$

denominator →



The top number, or **numerator**, shows how many of these equal parts we are talking about.



# Matching fractions

one sixth

$$\frac{1}{3}$$

or

Match the words with the correct fractions.

o

Press **start** to begin.

one

**start**

one fifth

$$\frac{1}{4}$$



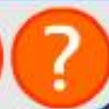


Count the number of shares in each shape, then count how many shares are colored in. Can you tell what **fraction** of the shape is colored in?

Press the yellow box to see if your answer is correct.

Press **start** to begin.

**start**





Press on the shares to shade in  
the given fraction of each shape.

Press **start** to begin.

start





Add or remove lines to each shape to divide it into shares. Press on shares of each shape to represent a fraction.

Press **start** to begin.

start



hide







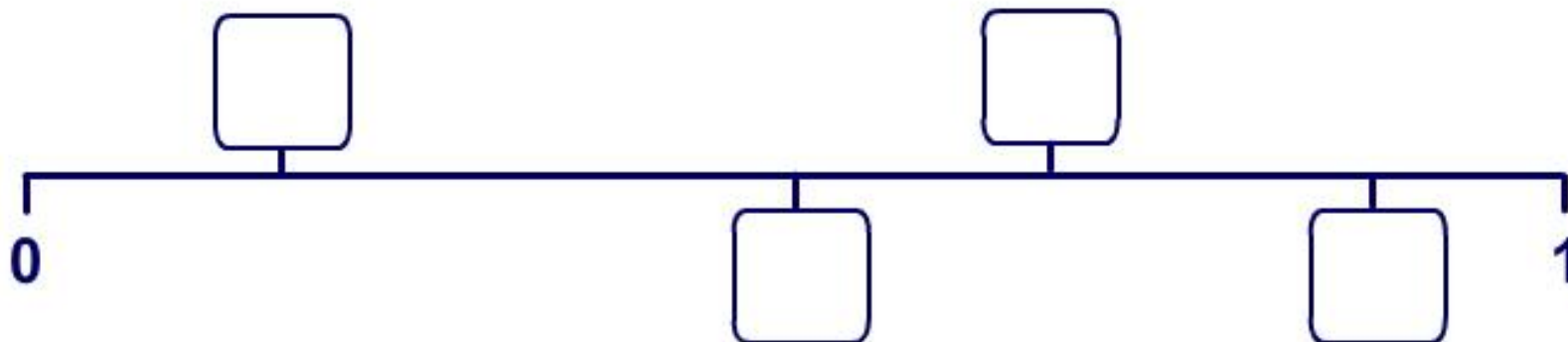
Fractions can represent parts of shapes. They can also represent parts of numbers.



# Fractions on a number line



Drag the fractions into place on the number line.



$\frac{2}{3}$

$\frac{1}{6}$

$\frac{7}{8}$

$\frac{1}{2}$

