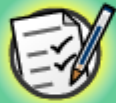


$$5 \times 7 = 35$$
$$20 + 2 = 22$$

# Introducing 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.

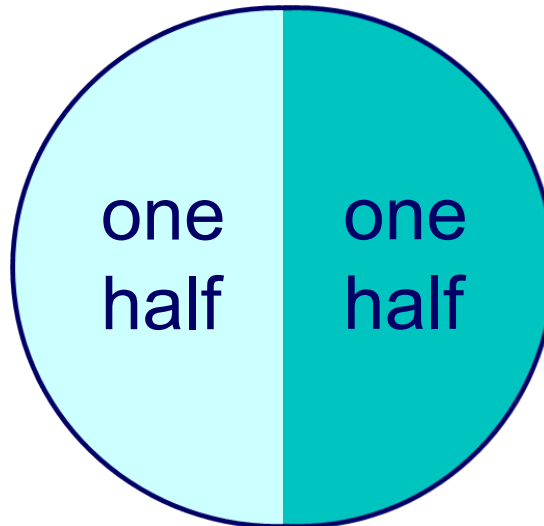


This icon indicates teacher's notes in the Notes field.

# What are fractions?



A **fraction** is a part of a larger whole.



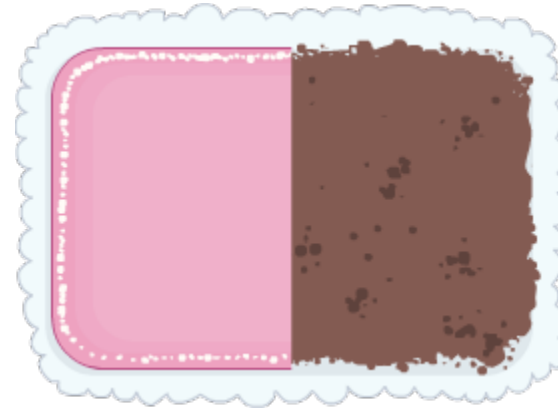
This circle has been divided into two parts, called **halves**. Each part is one half of the circle. The whole circle is made up of two halves.



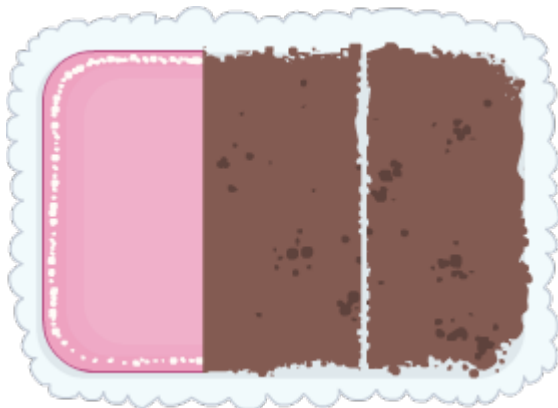
How much cake is left? Can you name the fractions?



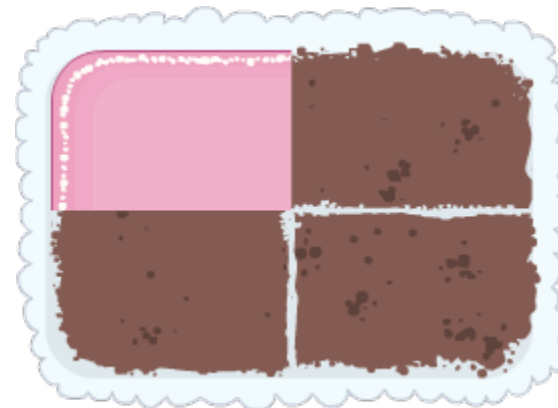
one **whole**



one **half**



one **third**



one **fourth**, or one **quarter**







Press the buttons to see the paper fold and unfold. Count how many sections your folding has created, then name the fractions.

Press **start** to begin.

start

Fold once

Fold twice

Fold three times

Unfold paper



# Find the fraction



Shade the correct fraction of  
each shape. Press the sections  
of each shape to shade them.

Press **start** to begin.

start

