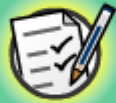


$$5 \times 7 = 35$$
$$20 + 2 = 22$$

Equivalent Fractions 2



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.**

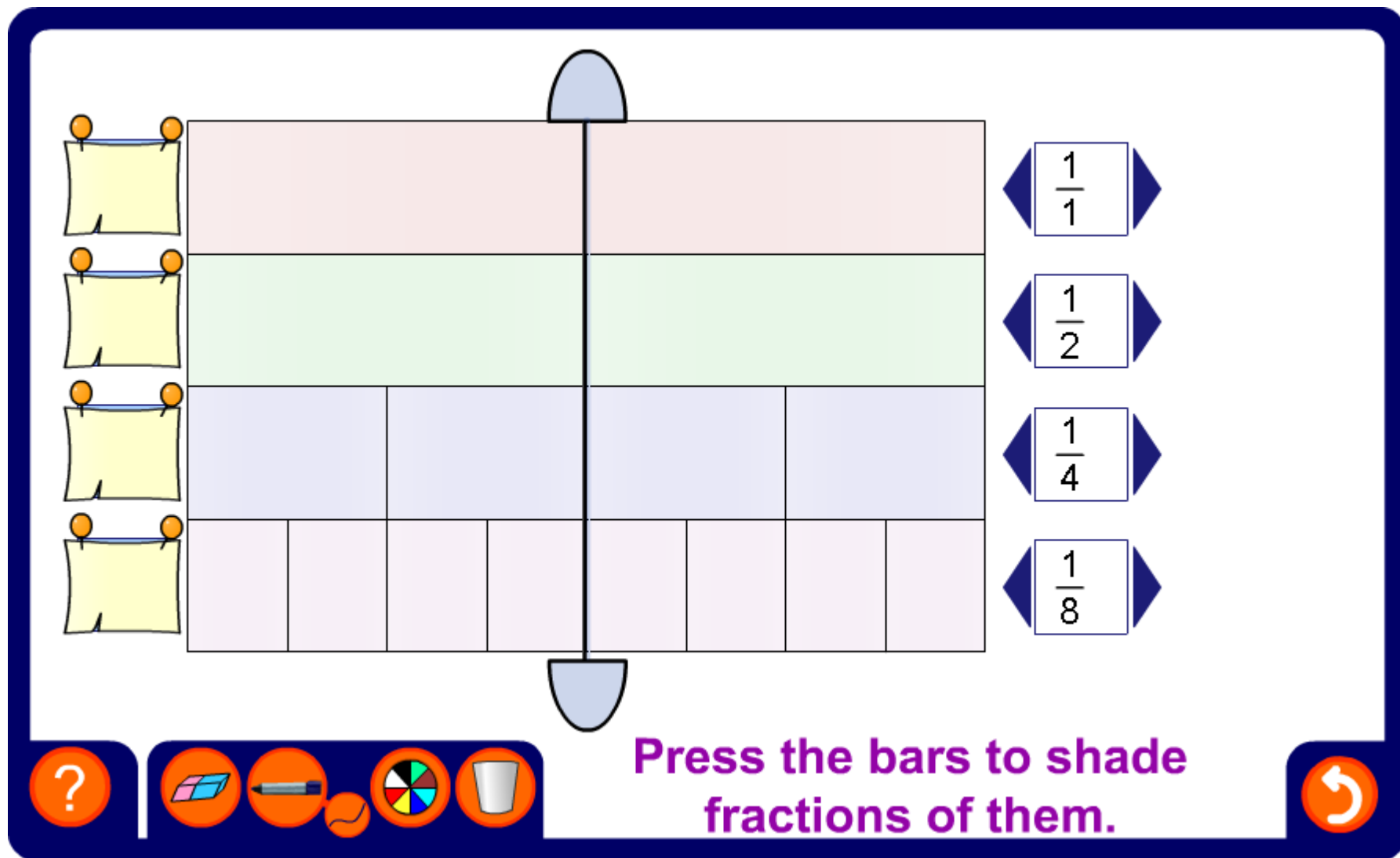


This icon indicates that the slide contains activities created in Flash. These activities are not editable.

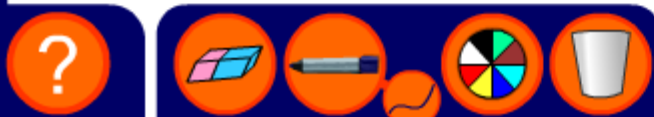


This icon indicates teacher's notes in the Notes field.

Fraction wall



Press the bars to shade fractions of them.



Finding equivalent fractions

3

8

Do you know how to create
equivalent fractions?

Press the yellow squares to help.

Press **start** to begin.

start

x6

x6





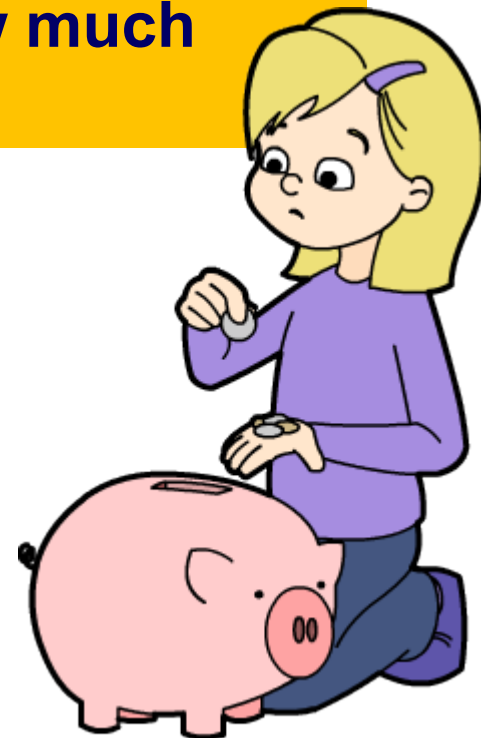
Mischa has 5 dimes and 4 pennies in her piggybank. How can we use fractions to find out how much money she has in total?

One dollar is made up of ten dimes, or one hundred pennies. We can represent Mischa's money in fraction form like this:

5 dimes

$$\frac{5}{10} + \frac{4}{100}$$

4 pennies



We cannot add fractions with different denominators. How can we use equivalent fractions to add these fractions?



Mischa has 5 dimes and 4 pennies in her piggybank. How can we use fractions to find out how much money she has in total?

$$10 \times \frac{5}{10} + \frac{4}{100}$$

$$= \frac{50}{100} + \frac{4}{100}$$

$$= \frac{54}{100}$$

Multiply numerator and denominator by 10.

Check the question to make sure you are answering it.



Mischa's total is equivalent to 54 pennies, or 54¢.

More than a half?

Less than $\frac{1}{2}$

More than $\frac{1}{2}$

Sort the fractions by dragging them into the correct box.

Press **start** to begin.

start

$$\frac{5}{6}$$

$$\frac{7}{10}$$

$$\frac{3}{4}$$

$$\frac{3}{8}$$

$$\frac{1}{6}$$

$$\frac{2}{5}$$



Decide whether each fraction is greater than, less than or equal to its partner.
Drag the correct symbol into place to compare each set of fractions.

Press **start** to begin.

start





Use your knowledge of equivalent fractions to find the correct answer to each question.

Press **start** to begin.

start

