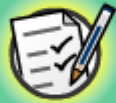


$$5 \times 7 = 35$$
$$20 + 2 = 22$$

Adding and Subtracting 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:

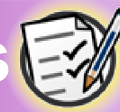
- 1) **Make sense of problems and persevere in solving them.**
- 2) **Reason abstractly and quantitatively.**
- 3) **Construct viable arguments and critique the reasoning of others.**
- 4) **Model with mathematics.**
- 5) **Use appropriate tools strategically.**
- 6) **Attend to precision.**
- 7) **Look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



Do you remember how to add and subtract fractions with the same denominator?



Equivalent fractions



$$\frac{1}{2} + \frac{2}{3}$$

$$\frac{8}{10} - \frac{7}{10}$$

$$\frac{13}{15}$$

Connect the equivalent expressions in the first two columns with the correct answer in the third column. All answers are in lowest terms.

Press **start** to begin.

start

$$\frac{4}{7} - \frac{1}{2}$$

$$\frac{9}{12} - \frac{2}{12}$$

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



Solving word problems

MODELING



boardworks



There are some tricks we can use to solve word problems involving fractions with unlike denominators.



When working with mixed numbers with unlike denominators, find equivalent fractions first, then calculate.

What is $24\frac{1}{4} + 53\frac{1}{3}$?

$$\begin{array}{r} 24\frac{1 \times 3}{4 \times 3} \\ + 53\frac{1 \times 4}{3 \times 4} \\ \hline \end{array} = \begin{array}{r} 24\frac{3}{12} \\ + 53\frac{4}{12} \\ \hline 77\frac{7}{12} \end{array}$$



Think about it

MODELING



board
works

Max lives 2 miles from school. He walks $1\frac{2}{5}$ mi. to Ben's house, then $\frac{3}{6}$ mi. to Tim's house.
How much further does Max have to go?

Press the buttons
for help:

Analyze

Plan

Solve

Check

