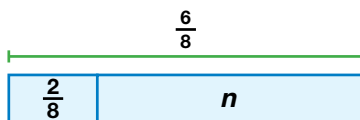


Homework & Practice 9-5

Subtract Fractions with Like Denominators

Another Look!

Flora needs an additional $\frac{2}{8}$ cup flour to make her dough. The dough recipe calls for $\frac{6}{8}$ cup flour. How many cups of flour does Flora have?

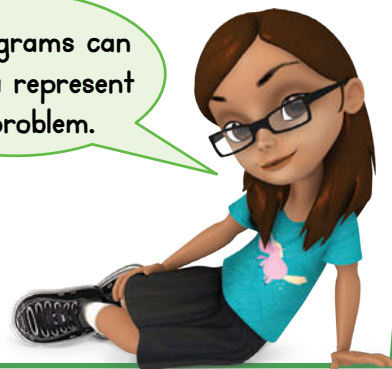


Subtract the numerators. Write the difference over the like denominator.

$$\frac{6}{8} - \frac{2}{8} = \frac{4}{8}$$

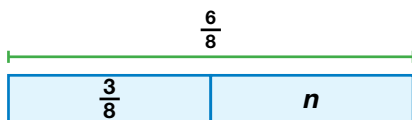
Flora has $\frac{4}{8}$ cup flour.

Bar diagrams can help you represent the problem.

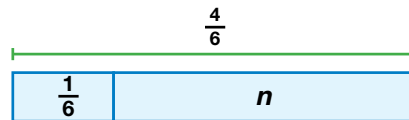


For **1–10**, subtract the fractions.

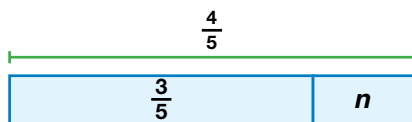
1. $\frac{6}{8} - \frac{3}{8}$



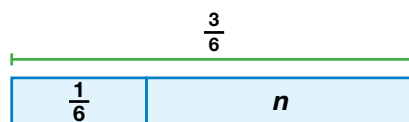
2. $\frac{4}{6} - \frac{1}{6}$



3. $\frac{4}{5} - \frac{3}{5}$



4. $\frac{3}{6} - \frac{1}{6}$



5. $\frac{97}{100} - \frac{40}{100}$

6. $\frac{5}{8} - \frac{1}{8}$

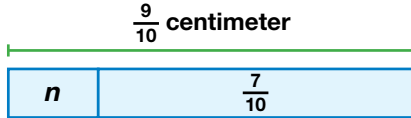
7. $\frac{10}{10} - \frac{9}{10}$

8. $\frac{17}{12} - \frac{5}{12}$

9. $\frac{33}{100} - \frac{4}{100}$

10. $\frac{50}{100} - \frac{10}{100}$

11. © **MP.4 Model with Math** An engineer was supposed to draw a line exactly $\frac{7}{10}$ centimeter long. An error was made, and he drew the line $\frac{9}{10}$ centimeter long. How much longer than needed was the line the engineer drew? Write an equation.



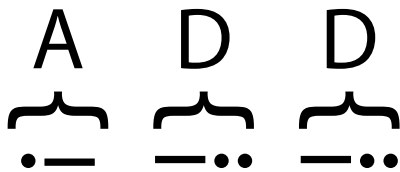
12. A mosaic wall is divided into 100 equal sections. If 30 sections are reserved for orange tiles and 40 sections are reserved for blue tiles, what fraction of the mosaic wall is left for other colors?



13. **Number Sense** Jonah is thinking of a 2-digit number. It is a multiple of 6 and 12. It is a factor of 108. The sum of its digits is 9. What number is Jonah thinking of?

14. In a bag of 100 balloons, 12 are red and 13 are green. What fraction of the balloons in the bag are **NOT** red or green?

15. **Math and Science** Morse code is a way to transmit text using a series of dots or dashes. The Morse code for “Add” is shown. What fraction of the shapes are dots in the Morse code for “Add?”



16. **Higher Order Thinking** Diego compared the differences for $\frac{10}{10} - \frac{1}{10}$ and $\frac{100}{100} - \frac{10}{100}$. He said the differences both equal $\frac{9}{10}$. Is Diego correct? Explain.

© Common Core Assessment

17. $\frac{5}{8}$ of Marie’s marbles are red and $\frac{2}{8}$ are blue. The rest of the marbles are white. Draw a model to represent Marie’s marbles. Write and solve equations to find the fraction of the marbles that are white.

