MY Homework

Homework Helper

eHelp

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Nicole has 8 charms. She put 7 on her bracelet. At the park, 2 charms fell off the bracelet. What fraction of Nicole's charms are on her bracelet now?
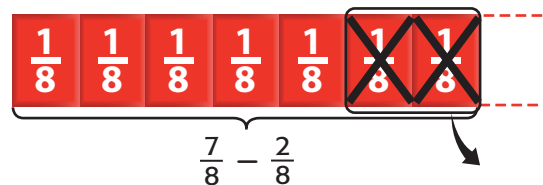
Find $\frac{7}{8} - \frac{2}{8}$.

1 Model $\frac{7}{8}$.

$$\frac{7}{8} = \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$$
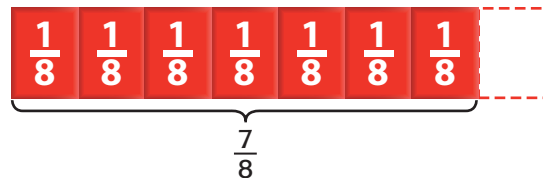
2 Subtract $\frac{2}{8}$.

Remove, or separate, $\frac{2}{8}$ from $\frac{7}{8}$.

3 Count the total number of $\frac{1}{8}$-tiles that are left.

There are five $\frac{1}{8}$-fraction tiles left.

$$\frac{7}{8} - \frac{2}{8} = \frac{5}{8}$$

So, Nicole has $\frac{5}{8}$ of her charms left on her bracelet.

Check

$$\frac{5}{8} + \frac{2}{8} = \frac{7}{8}$$

So, the answer is correct.

Practice

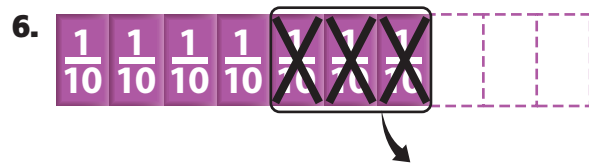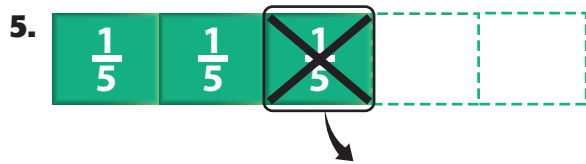**Model the difference using fraction tiles. Then subtract.**

1. $\dfrac{5}{6} - \dfrac{1}{6} =$ _____

2. $\dfrac{2}{3} - \dfrac{1}{3} =$ _____

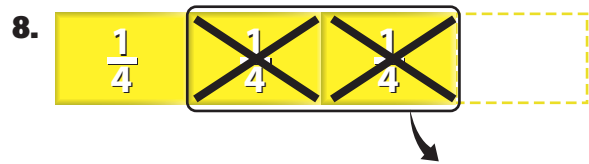**3.** $\dfrac{9}{10} - \dfrac{6}{10} =$ _____

4. $\dfrac{6}{8} - \dfrac{4}{8} =$ _____

Algebra Write a subtraction equation for each model. Then subtract.

5.

| $\frac{1}{5}$ | $\frac{1}{5}$ | $\frac{1}{5}$ | | |

_____

6.

| $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | | |

_____

7.

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

_____

8.

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

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Problem Solving

9. For Friday night's play performance, $\dfrac{7}{8}$ of the theater was full. On Saturday night, the theater was only $\dfrac{5}{8}$ full. How much more of the theater was filled on Friday night than on Saturday night? Write in simplest form.

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10. **Mathematical PRACTICE 2** **Use Number Sense** Liam uses $\dfrac{3}{4}$ of a cup of butter in his cookie recipe. Gloria uses $\dfrac{2}{4}$ of a cup of butter in her cookie recipe. How much more butter does Liam use than Gloria?

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