

Subtract 2 Fractions

1a. James runs $\frac{4}{6}$ of a mile in a race.
Sofia runs $\frac{3}{6}$ of a mile less than James.



James

Sofia runs
 $\frac{2}{6}$ of a mile.

Is he correct? Explain your answer.



Choose your level of challenge.

2a. Use the digit cards to complete this calculation.

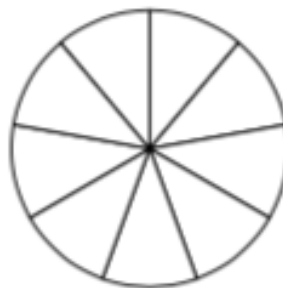
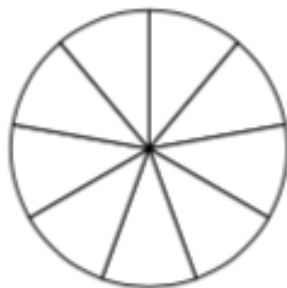
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PS

3a. Are these calculations the same?

$$\frac{8}{9} - \frac{5}{9}$$

$$\frac{8}{9} - \frac{4}{9} - \frac{1}{9}$$



Use the shapes to prove your answer.



R

4b. Freddie drinks $\frac{11}{10}$ of a litre of water.
 Anna drinks $\frac{7}{10}$ of a litre less than Freddie.



Freddie

Anna has drunk
 $\frac{4}{10}$ of a litre.

Is he correct? Explain your answer.



R

5b. Use the digit cards to complete this calculation. You can use each card more than once.



$$\begin{array}{r} 19 \\ \hline \square \end{array} - \begin{array}{r} \square \\ \hline \square \end{array} = \begin{array}{r} \square \\ \hline \square \end{array}$$

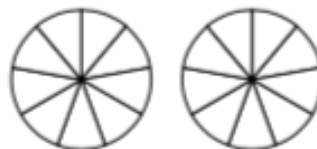


PS

6b. Are these calculations the same?

$$\frac{13}{9} - \frac{5}{9}$$

$$\frac{13}{9} - \frac{2}{9} - \frac{3}{9}$$



Use the shapes to prove your answer.



R

Answers

Developing

1a. James is incorrect because

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

2a. $\frac{5}{7} - \frac{2}{7} = \frac{3}{7}$ or $\frac{5}{7} - \frac{3}{7} = \frac{2}{7}$

3a. Yes, both calculations equal $\frac{3}{9}$.

Expected

4b. Freddie is correct because

$$\frac{11}{10} - \frac{7}{10} = \frac{4}{10}.$$

5b. Various answers, for example:

$$\frac{19}{4} - \frac{13}{4} = \frac{6}{4}$$

6b. Yes, both equal $\frac{8}{9}$.

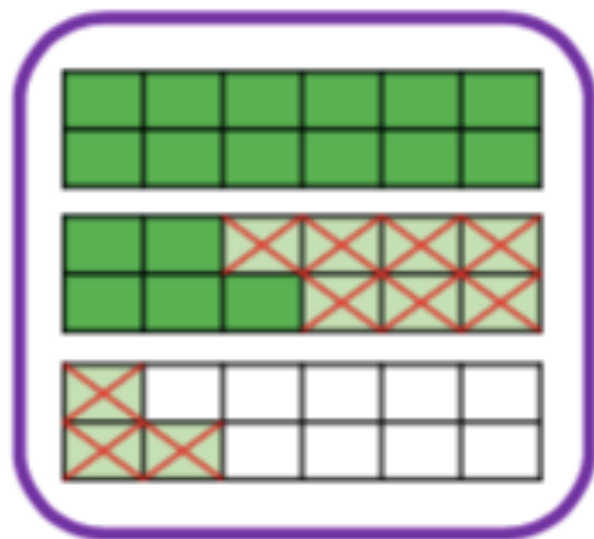
3. Solve the word problem below. Use the shapes to help you.

Mick has $\frac{10}{11}$ pieces of a chocolate bar. He eats $\frac{8}{11}$. How many pieces does he have left?

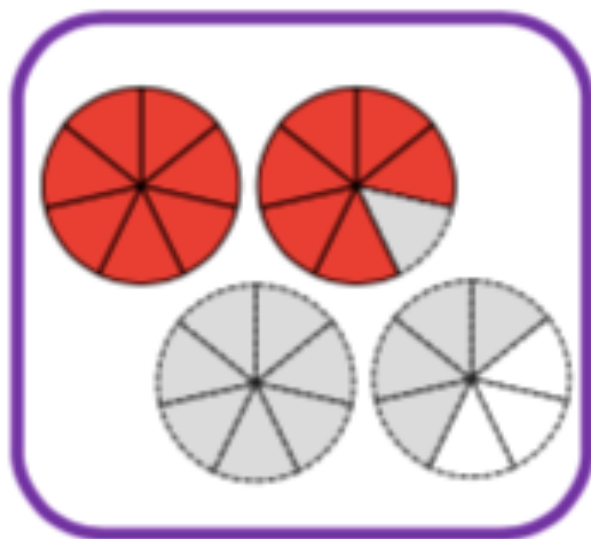
$$\frac{\square}{\square} - \frac{\square}{\square} = \frac{\square}{\square}$$



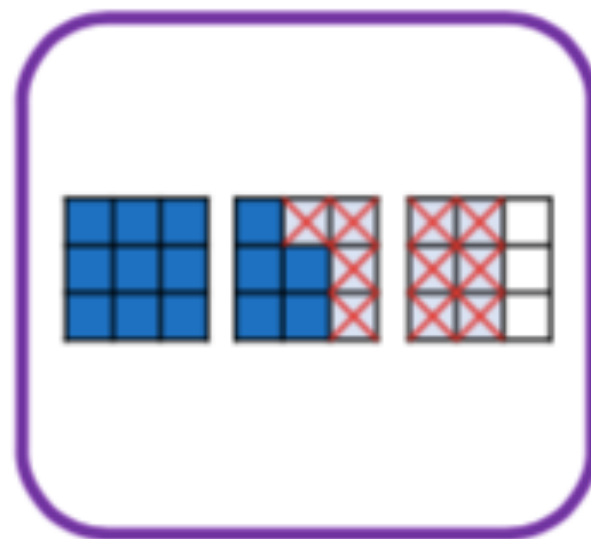
5. Write the subtraction calculation for each representation.



A. $\frac{\square}{\square} - \frac{\square}{\square} = \frac{\square}{\square}$



B. $\frac{\square}{\square} - \frac{\square}{\square} = \frac{\square}{\square}$



C. $\frac{\square}{\square} - \frac{\square}{\square} = \frac{\square}{\square}$



Answers

$$3. \frac{10}{11} - \frac{8}{11} = \frac{2}{11}$$

$$5. A. \frac{27}{12} - \frac{10}{12} = \frac{17}{12}; B. \frac{25}{7} - \frac{12}{7} = \frac{13}{7}; C. \frac{24}{9} - \frac{10}{9} = \frac{14}{9}$$