

MY Homework

Lesson 5

Add Unlike Fractions

Homework Helper



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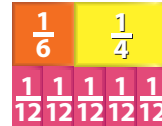
Find $\frac{1}{6} + \frac{1}{4}$.

Write equivalent, like fractions using the least common denominator, LCD. The LCD of $\frac{1}{6}$ and $\frac{1}{4}$ is 12.

$$\begin{aligned} \frac{1}{6} + \frac{1}{4} &= \frac{1 \times \boxed{2}}{6 \times \boxed{2}} + \frac{1 \times \boxed{3}}{4 \times \boxed{3}} && \text{Write equivalent fractions using the LCD.} \\ &= \frac{2}{12} + \frac{3}{12} && \text{Multiply.} \\ &= \frac{2+3}{12}, \text{ or } \frac{5}{12} && \text{Add like fractions.} \end{aligned}$$

So, $\frac{1}{6} + \frac{1}{4} = \frac{5}{12}$.

Check The models show that $\frac{1}{6} + \frac{1}{4} = \frac{5}{12}$.



Practice

Add. Write each sum in simplest form.

1. $\frac{5}{8} + \frac{3}{10} =$ _____

2. $\frac{3}{5} + \frac{1}{4} =$ _____


3. $\frac{4}{7} + \frac{1}{8} =$ _____



Problem Solving

4. Tashia ate $\frac{1}{3}$ of a pizza, and Jay ate $\frac{3}{8}$ of the same pizza. What fraction of the pizza was eaten?

5. Basir took a science test on Friday. One-eighth of the questions were multiple choice, and $\frac{3}{4}$ of the questions were true-false questions. What part of the total number of questions are either multiple choice or true-false questions?

6. **Mathematical PRACTICE**  **Use Number Sense** Edison delivers $\frac{1}{5}$ of the newspapers in the neighborhood, and Anita delivers $\frac{1}{2}$ of them. Together, Edison and Anita deliver what fraction of the newspapers?

7. Dylan and Sonia are hiking different trails. If Dylan hiked Riverwalk and Mountainview, and Sonia hiked Mountainview and Pine, how many miles did each of them hike?

Hiking Trails	
Trail	Distance (mi)
Riverwalk	$\frac{3}{4}$
Mountainview	$\frac{1}{2}$
Pine	$\frac{3}{5}$

My Work!



Test Practice

8. Which expression will have the same sum as $\frac{3}{8} + \frac{1}{4}$?

(A) $\frac{3}{8} + \frac{1}{8}$

(C) $\frac{3}{4} + \frac{1}{4}$

(B) $\left(\frac{1}{8} + \frac{1}{8} + \frac{1}{8}\right) + \frac{1}{4}$

(D) $\left(\frac{1}{8} + \frac{1}{8}\right) + \frac{1}{8}$