Name _____

SKILL S62

Add and Subtract Mixed Numbers with Unlike Denominators

OBJECTIVE Add and subtract mixed numbers with unlike denominators.

To add or subtract mixed numbers with unlike denominators, rename the fractions as fractions with a common denominator.

Add: $3\frac{2}{4} + 1\frac{1}{3}$.

STEP 1

Find a common denominator for $\frac{2}{4}$ and $\frac{1}{3}$.

Make a list of the first five nonzero multiples of 4 and 3.

Multiples of 4: 4, 8, 12, 16, 20

Multiples of 3: 3, 6, 9, 12, 15

A common denominator is _____.

STEP 2

Rewrite the fractions using the common denominator.

$3\frac{2}{4} = 3\frac{\square}{\square}$

$1\frac{1}{3} = 1\frac{\square}{\square}$

STEP 3

Add the fractions.

Add the whole numbers.

Add the sums. Write the answer in simplest form.

$\frac{\square}{\square} + \frac{\square}{\square} = \frac{\square}{\square}$

_____ + _____ = _____

_____ + $\frac{\square}{\square}$ = $\square\frac{\square}{\square}$

Try This!

Use a common denominator to find the sum or difference.

1. $2\frac{2}{9} + 3\frac{1}{3} = \square\frac{\square}{\square}$

2. $6\frac{5}{8} - 2\frac{1}{6} = \square\frac{\square}{\square}$

3. $3\frac{3}{5} - 1\frac{1}{2} = \square\frac{\square}{\square}$

4. $5\frac{1}{4} + 1\frac{3}{8} = \square\frac{\square}{\square}$

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

6. $4\frac{5}{6} - 1\frac{1}{2} = \square\frac{\square}{\square}$

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