

Adding Mixed Numbers

Problem:

$$3\frac{3}{6}$$

$$+2\frac{2}{3}$$

Do the fractions have the same denominator?

Yes

Add fractions

$$\begin{array}{r} 3\frac{3}{6} - 3\frac{3}{6} \\ +2\frac{2}{3} - 2\frac{4}{6} \\ \hline \end{array}$$

$$\frac{7}{6}$$

Is this an improper fraction?

Yes

No

Change it to a mixed number

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

Write the fraction in the fraction place and trade the whole number to the wholes.

①

$$3\frac{3}{6} - 3\frac{3}{6}$$

$$+2\frac{2}{3} - 2\frac{4}{6}$$

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

No

Find LCD - lowest common denominator

6: 6, 12, 18, 24, 30
3: 3, 6, 9, 12, 15

Multiply the numerator and denominator by the same factor to make equivalent fractions with common denominators.

$$\begin{array}{r} 3\frac{3}{6} - 3\frac{3}{6} \\ +2\frac{2}{3} - 2\frac{4}{6} \\ \hline \end{array}$$

Do the fractions have the same denominator?

Write the fraction in the fraction place. Then add the whole numbers. Simplify the fraction if needed.