

Warm-up

Convert the following to mixed numbers

$$\begin{array}{l} \text{a) } \frac{16}{6} = 2 \frac{4}{6} \\ \begin{array}{r} 2R4 \\ 6 \overline{)16} \\ \underline{-12} \\ 4 \end{array} \end{array}$$

$$\begin{array}{l} \frac{32}{12} = 2 \frac{8}{12} \\ \begin{array}{r} 2R8 \\ 12 \overline{)32} \\ \underline{-24} \\ 8 \end{array} \end{array}$$

Converting Mixed Numbers to Improper Fractions**1. Steps to Convert Mixed Numbers to Improper Fractions:**

- > Multiply the whole number by the denominator.
- > Add this result to the numerator of the fraction.
- > The denominator stays the same.

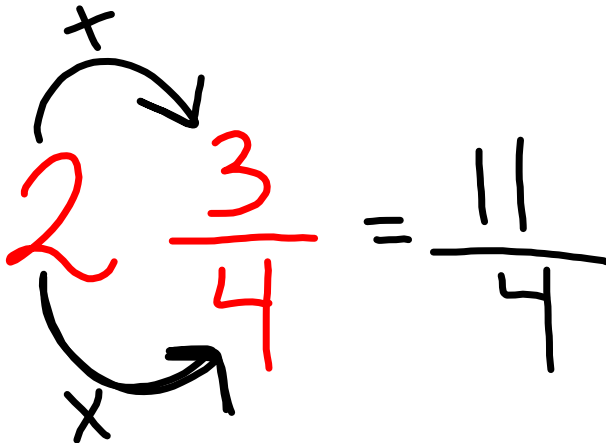
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Example: Convert $2\frac{3}{4}$ to an improper fraction:

$$2 \times 4 = 8$$

$$3 + 8 = 11$$

$$\frac{11}{4}$$

$$2\frac{3}{4} = \frac{11}{4}$$


PRACTICE

Convert the following mixed numbers to improper fractions:

1. $3\frac{1}{4}$

2. $4\frac{2}{7}$

Handwritten conversion of mixed numbers to improper fractions:

$$3\frac{1}{4} = \frac{13}{4}$$
$$4\frac{2}{7} = \frac{30}{7}$$

The first conversion shows a blue arrow from the 3 to the denominator 4, and another blue arrow from the numerator 1 to the denominator 4. A blue 'x' is written above the 3. The second conversion shows a green arrow from the 4 to the denominator 7, and another green arrow from the numerator 2 to the denominator 7. A green 'x' is written below the 4.

$$\frac{10 \div 2}{60 \div 2} = \frac{5 \div 5}{30 \div 5} = \frac{1}{6}$$

Convert.

1. $7 \frac{3}{5} =$ _____

2. $6 \frac{5}{8} =$ _____

3. $9 \frac{2}{10} =$ _____

4. $2 \frac{2}{4} =$ _____

5. $6 \frac{1}{9} =$ _____

6. $5 \frac{5}{7} =$ _____

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

8. $3 \frac{3}{12} =$ _____

9. $6 \frac{1}{11} =$ _____

10. $4 \frac{3}{4} =$ _____

11. $8 \frac{9}{12} =$ _____

12. $9 \frac{2}{8} =$ _____

13. $5 \frac{8}{11} =$ _____

14. $3 \frac{6}{9} =$ _____

15. $5 \frac{10}{11} =$ _____