

Skills Practice

ANSWERS

ADDING MIXED FRACTIONS

3



Practice your fraction arithmetic skills by adding the following mixed fractions. Be sure to show your work and simplify your answers.

$$1\frac{2}{3} + 4\frac{1}{7} = \underline{5\frac{17}{21}}$$

$$1\overset{+2}{\underset{\times 3}{-}}\frac{2}{3} + 4\overset{+1}{\underset{\times 7}{-}}\frac{1}{7}$$

Rewrite as improper fractions

Find least common denominator

$$\frac{5}{3} \overset{\times 7}{\underset{\times 7}{+}} + \frac{29}{7} \overset{\times 3}{\underset{\times 3}{+}}$$

$$\frac{35}{21} + \frac{87}{21} = \frac{122}{21} = 5\frac{17}{21}$$

$$3\frac{3}{7} + 2\frac{1}{6} = \underline{5\frac{25}{42}}$$

$$3\frac{1}{4} + 4\frac{4}{5} = \underline{8\frac{1}{20}}$$

$$5\frac{2}{5} + 4\frac{1}{2} = \underline{9\frac{9}{10}}$$

$$2\frac{1}{3} + 6\frac{3}{5} = \underline{8\frac{14}{15}}$$

$$6\frac{3}{4} + 1\frac{6}{7} = \underline{8\frac{17}{28}}$$

$$2\frac{3}{7} + 2\frac{1}{6} = \underline{4\frac{25}{42}}$$