

Decomposing Fractions into Unit Fractions

A) Express each fraction as a sum of unit fractions.

$$1) \frac{9}{11} = \frac{1}{11} + \frac{1}{11} + \frac{1}{11} + \frac{1}{11} + \frac{1}{11} + \frac{1}{11} + \frac{1}{11} + \frac{1}{11} + \frac{1}{11}$$

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

$$3) \frac{5}{9} =$$

$$4) \frac{7}{12} =$$

$$5) \frac{2}{5} =$$

$$6) \frac{4}{9} =$$

B) 1) Which of the following expressions shows $\frac{3}{10}$ decomposed into a sum of unit fractions?

a) $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

b) $\frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

c) $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

d) $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

2) Which of the following expressions shows $\frac{5}{7}$ decomposed into a sum of unit fractions?

a) $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}$

b) $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}$

c) $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}$

d) $\frac{1}{7} + \frac{1}{7} + \frac{1}{7}$