

Decomposing Fractions into Unit Fractions

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

$$1) \frac{6}{7} = \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}$$

$$2) \frac{4}{5} =$$

$$3) \frac{7}{10} =$$

$$4) \frac{5}{12} =$$

$$5) \frac{3}{7} =$$

$$6) \frac{5}{8} =$$

B) 1) Which of the following expressions shows $\frac{4}{11}$ decomposed into a sum of unit fractions?

a) $\frac{1}{11} + \frac{1}{11}$

b) $\frac{1}{11} + \frac{1}{11} + \frac{1}{11} + \frac{1}{11} + \frac{1}{11} + \frac{1}{11}$

c) $\frac{1}{11} + \frac{1}{11} + \frac{1}{11} + \frac{1}{11}$

d) $\frac{1}{11} + \frac{1}{11} + \frac{1}{11} + \frac{1}{11} + \frac{1}{11}$

2) Which of the following expressions shows $\frac{2}{9}$ decomposed into a sum of unit fractions?

a) $\frac{1}{9} + \frac{1}{9} + \frac{1}{9}$

b) $\frac{1}{9} + \frac{1}{9}$

c) $\frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$

d) $\frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$