Decomposing Fractions into Unit Fractions

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

1) $\dfrac{8}{9}$ = $\dfrac{1}{9} + \dfrac{1}{9} + \dfrac{1}{9} + \dfrac{1}{9} + \dfrac{1}{9} + \dfrac{1}{9} + \dfrac{1}{9} + \dfrac{1}{9}$

2) $\dfrac{5}{6}$ = _____

Preview

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B)

c) $\dfrac{1}{8} + \dfrac{1}{8} + \dfrac{1}{8} + \dfrac{1}{8} + \dfrac{1}{8}$ d) $\dfrac{1}{8} + \dfrac{1}{8} + \dfrac{1}{8} + \dfrac{1}{8}$

2) Which of the following expressions shows $\dfrac{6}{11}$ decomposed into a sum of unit fractions?

a) $\dfrac{1}{11} + \dfrac{1}{11} + \dfrac{1}{11} + \dfrac{1}{11} + \dfrac{1}{11}$ b) $\dfrac{1}{11} + \dfrac{1}{11} + \dfrac{1}{11} + \dfrac{1}{11}$

c) $\dfrac{1}{11} + \dfrac{1}{11} + \dfrac{1}{11}$ d) $\dfrac{1}{11} + \dfrac{1}{11} + \dfrac{1}{11} + \dfrac{1}{11} + \dfrac{1}{11} + \dfrac{1}{11}$