Name _____ Date _____

The weights of a backpack and suitcase are shown below.

7 kg   21 kg

a. How much heavier is the suitcase than the backpack?

$$\begin{array}{r} {}^{1}\cancel{2}\cancel{1}{}^{11} \\ -\ 7 \\ \hline 14 \end{array}$$

The suitcase is 14 kg heavier than the backpack.

b. What is the total weight of 4 identical backpacks?

$7+7+7+7 = 28\ kg$ Four backpacks would weigh 28 kg.

c. How many backpacks weigh the same as one suitcase?

$7+7+7=21$ Three backpacks weigh the same as one backpack.

EUREKA MATH™

Lesson 8: Solve one-step word problems involving metric weights within 100 and estimate to reason about solutions.

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