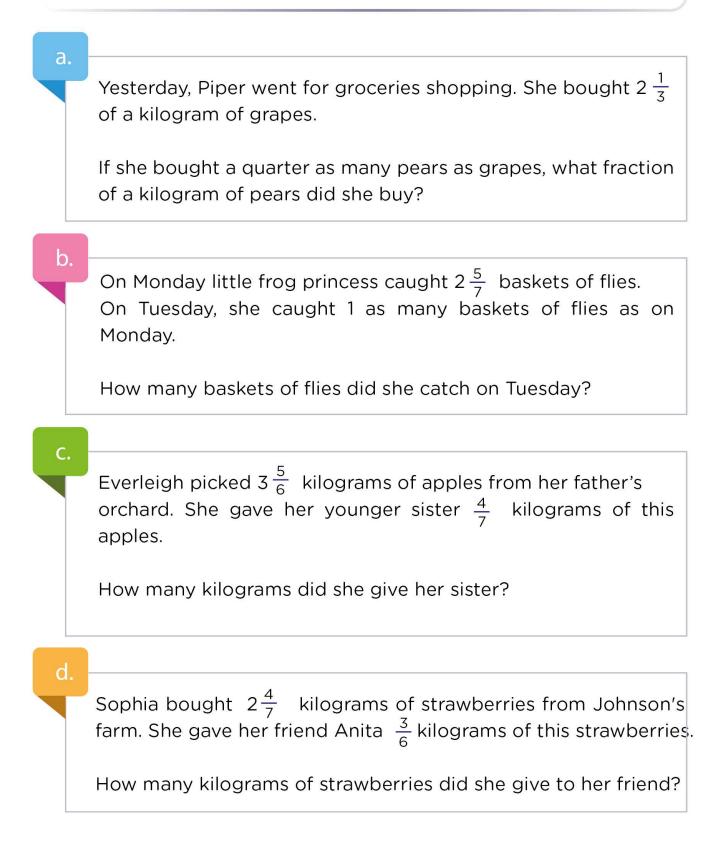


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Multiplying Mixed Numbers Word Problems





Solution

Multiplying Mixed Numbers Word Problems

a. Fraction of a kilogram of grapes that she bought = $2\frac{1}{3}$ Quantity of pears that she bought than grapes = a quarter as many pears as grapes = $\frac{1}{4}$ Therefore, fraction of a kilogram of pears that she bought = Fraction of a kilogram of grapes that she bought × Quantity of pears that she bought than grapes

$$2\frac{1}{3} \times \frac{1}{4} = \frac{2\times3+1}{3} \times \frac{1}{4} = \frac{7}{3} \times \frac{1}{4} = \frac{7}{12}$$

So, she bought $\frac{7}{12}$ of a kilogram of pears.

b. The frog princess caught $2\frac{5}{7}$ flies on Tuesday.

C. She gave her sister $2\frac{1}{2}$ kilograms from the $3\frac{5}{6}$ kilograms of apples she picked.

d. She gave her friend $1\frac{5}{14}$ kilograms of strawberries out of the $2\frac{5}{7}$ kilograms of strawberries that she bought.