



Two-Step Word Problems on the Four Operations

1. After Jeffrey had given 90 sweets to Adeline, she had 270 sweets and he had 140 sweets.
- (a) How many sweets did Jeffrey have at first?
 - (b) How many more sweets did Jeffrey have than Adeline at first?

Answers: (a) _____

(b) _____

2. 210 children were grouped into 3 teams. If there were 4 times as many boys as girls in each team,
- (a) how many girls were there altogether?
 - (b) how many boys were there altogether?

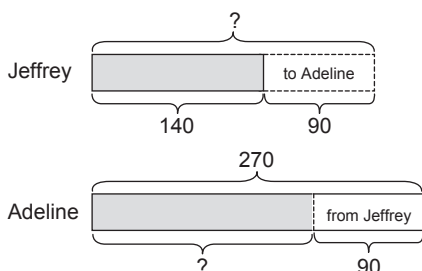
Answers: (a) _____

(b) _____

Solutions to

Two-Step Word Problems on the Four Operations

1. Step 1 : Draw a model



Step 2 : Find the number of sweets Jeffrey had at first

$$140 + 90 = 230$$

$$\begin{array}{r} 140 \\ + 90 \\ \hline 230 \end{array}$$

(a) Jeffrey had 230 sweets at first.

Step 3 : Find the number of sweets Adeline had at first

$$270 - 90 = 180$$

$$\begin{array}{r} 17 \\ 270 \\ - 90 \\ \hline 180 \end{array}$$

Step 4 : Find the number of sweets Jeffrey had more than Adeline at first

$$230 - 180 = 50$$

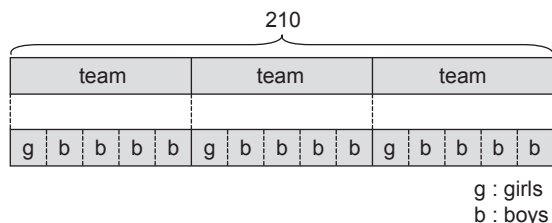
$$\begin{array}{r} 13 \\ 230 \\ - 180 \\ \hline 50 \end{array}$$

(b) Jeffrey had 50 sweets more than Adeline at first.

Answers: (a) 230 sweets

(b) 50 sweets

2. Step 1 : Draw a model



Step 2 : Find the number of children in a team

$$210 \div 3 = 70$$

$$\begin{array}{r} 70 \\ 3 \overline{) 210} \\ \underline{- 21} \\ 00 \\ \underline{- 0} \\ 0 \end{array}$$

Step 3 : Find the number of girls in a team

$$5 \text{ units} \rightarrow 70$$

$$1 \text{ unit} \rightarrow 70 \div 5 = 14$$

$$\begin{array}{r} 14 \\ 5 \overline{) 70} \\ \underline{- 5} \\ 20 \\ \underline{- 20} \\ 0 \end{array}$$

Step 4 : Find the total number of girls

$$3 \times 14 = 42$$

$$\begin{array}{r} 14 \\ \times 3 \\ \hline 42 \end{array}$$

(a) There were 42 girls altogether.

Step 5 : Find the total number of boys

$$210 - 42 = 168$$

$$\begin{array}{r} 10 \\ 210 \\ - 42 \\ \hline 168 \end{array}$$

(b) There were 168 boys altogether.

Answers: (a) 42 girls

(b) 168 boys

Adapted:

101 Challenging Maths Word Problems You Should Know for Primary 3

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