

$n$  = number of trays in carton

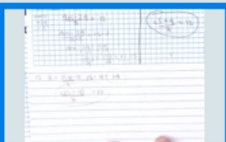
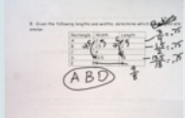
$$\begin{array}{l} 3 \times 12 \\ \downarrow \\ +24 \\ \downarrow \\ \div 4 \end{array}$$

$$\frac{4n - 24}{3} = 12 \cdot 3$$

$$\begin{array}{r} 4n - 24 = 36 \\ +24 \quad +24 \\ \hline \end{array}$$

$$n = 15 \quad \frac{4n}{4} = \frac{60}{4}$$

Thumbnail



Save

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1. SOLUTION

$$\begin{array}{r} 136 \\ + 24 \\ \hline 160 \\ \div 4 \\ \hline 40 \end{array}$$

in each carton

$$\begin{array}{r} 15 \\ - 4 \\ \hline 20 \end{array}$$

S = starting # students

$$12 \cdot 3$$

$$36 + 4 =$$

$$40 \div 2 = 20$$

n = # of trays in carton

$$\begin{array}{r} 3 \times 12 \\ + 24 \\ \hline = 40 \end{array}$$

$$\frac{4n - 24}{3} = 12$$

$$\frac{4n - 24}{3 \cdot 3} = 12 \cdot 3$$

$$4n - 24 = 36$$

$$4n = 36 + 24$$

$$\frac{4n}{4} = \frac{60}{4} \Rightarrow n = 15$$

$$\frac{2S + 4}{3} = 12$$

$$12 \cdot 3 = \frac{36}{2} = 18 - 4 = 14$$

$$2(S + 4) = 12$$

Some students sitting at front table.

The students separated into

Four more students just came and sat at the front table.

Each student joined by a friend. Doubling number of students.

$$2\left(\frac{x}{3} + 4\right) = 12$$

As the lunch period ends there are still 12 students seated at the front table

Screen shot  
2012-03...21.35 AM

11-Linear Jeopardy!

20

Ja

2.3.f