Multi-Step Word Problems

1. Three boxes weighing 128 pounds each and one box weighing 254 pounds were loaded onto the back of an empty truck. A crate of apples was then loaded onto the same truck. If the total weight loaded onto the truck was 2,000 pounds, how much did the crate of apples weigh?

2. In one month, Charlie read 814 pages. In the same month, his mom read 4 times as many pages as Charlie, and that was 143 pages more than Charlie's dad read. What was the total number of pages read by Charlie and his parents?

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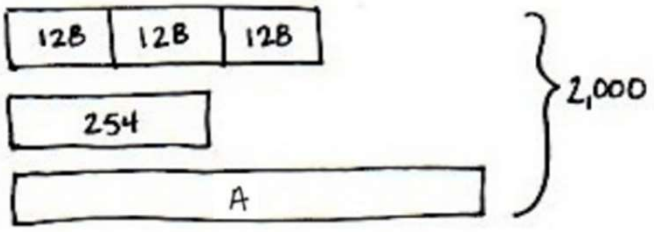

The crate of apples weighs 1,362 pounds.

$128 \times 3 = 384$

$384 + 254 = 638$

$2000 - 638 = 1,362$

A = 1,362 pounds

$638 \xrightarrow{+62} 700 \xrightarrow{+1300} 2000$

$1300 + 62 = 1,362$

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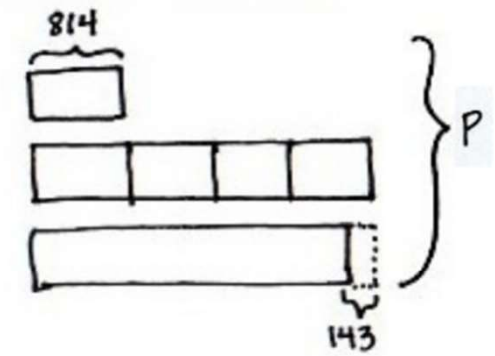

Solution A:

$814 \times 4 = 3256$

$3256 - 143 = 3113$

$3256 + 3113 + 814 = 7,183$

P = 7,183

Solution B:

$814 \times 9 = 7326$

$7326 - 143 = 7,183$

Charlie and his parents read 7,183 pages in one month.