

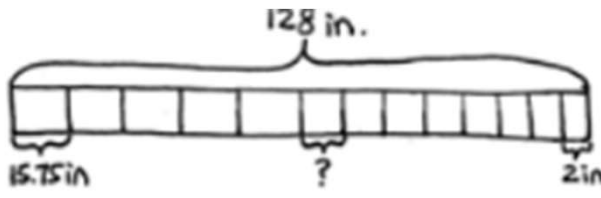
Decimal Word Problems Worksheets

1. Jim is building a tree house for his two daughters. He cuts 12 pieces of wood from a board that is 128 inches long. He cuts 5 pieces that measure 15.75 inches each and 7 pieces evenly cut from what is left. Jim calculates that, due to the width of his cutting blade, he will lose a total of 2 inches of wood after making all of the cuts. What is the length of each of the seven pieces?

2. A load of bricks is twice as heavy as a load of sticks. The total weight of 4 loads of bricks and 4 loads of sticks is 771 kilograms. What is the total weight of 1 load of bricks and 3 loads of sticks?

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1. Jim is building a tree house for his two daughters. He cuts 12 pieces of wood from a board that is 128 inches long. He cuts 5 pieces that measure 15.75 inches each and 7 pieces evenly cut from what is left. Jim calculates that, due to the width of his cutting blade, he will lose a total of 2 inches of wood after making all of the cuts. What is the length of each of the seven pieces?



$128 - 2 = 126$
 $15.75 \times 5 = 78.75$
 $126 - 78.75 = 47.25$
 $47.25 \div 7 = 6.75$

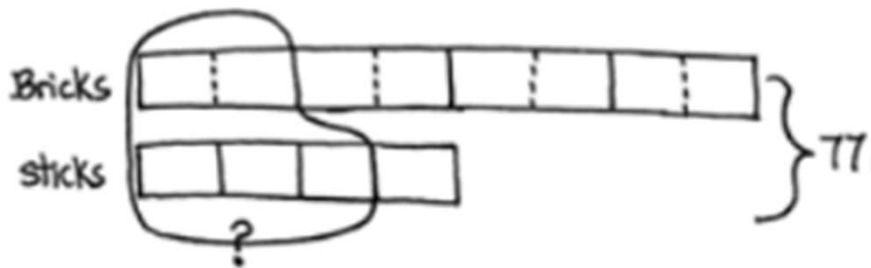
$$\begin{array}{r} 15.75 \\ \times \quad 5 \\ \hline 78.75 \end{array}$$

$$\begin{array}{r} 11 \ 15 \ 9 \ 10 \\ \times 126.00 \\ \hline - 78.75 \\ \hline 47.25 \end{array}$$

$$\begin{array}{r} 6.75 \\ 7 \overline{) 47.25} \\ \underline{-42} \\ 52 \\ \underline{-49} \\ 35 \\ \underline{-35} \\ 0 \end{array}$$

Each of the 7 Pieces is 6.75 inches long.

2. A load of bricks is twice as heavy as a load of sticks. The total weight of 4 loads of bricks and 4 loads of sticks is 771 kilograms. What is the total weight of 1 load of bricks and 3 loads of sticks?



$12 \text{ units} = 771$
 $1 \text{ unit} = 64.25$
 $5 \text{ units} = 321.25$

$$\begin{array}{r} 64.25 \\ \times \quad 5 \\ \hline 321.25 \end{array}$$

$$\begin{array}{r} 64.25 \\ 12 \overline{) 771.00} \\ \underline{-72} \\ 51 \\ \underline{-48} \\ 30 \\ \underline{-24} \\ 60 \\ \underline{-60} \\ 0 \end{array}$$

The weight of 1 brick load and 3 stick loads is 321.25 Kg.