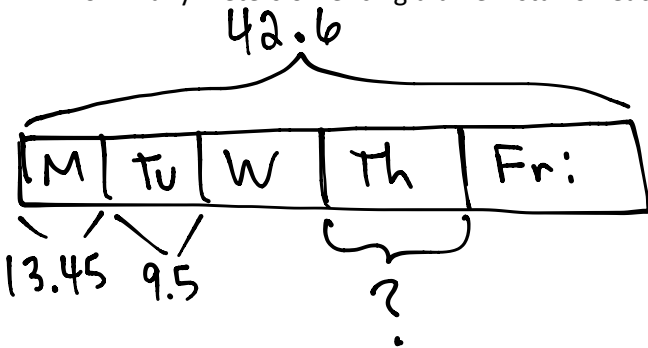


Name _____

Date _____

Solve using tape diagrams.

1. A gardener installed 42.6 meters of fencing in a week. He installed 13.45 meters on Monday and 9.5 meters on Tuesday. He installed the rest of the fence in equal lengths on Wednesday through Friday. How many meters of fencing did he install on each of the last three days?



$$\begin{array}{r} 13.45 \\ + 9.5 \\ \hline 22.95 \end{array}$$

$$\begin{array}{r} 42.6 \\ - 22.95 \\ \hline 19.65 \end{array}$$

$$\begin{array}{r} 6.55 \\ 3 \overline{) 19.65} \\ \underline{- 18} \\ 16 \\ \underline{- 15} \\ 15 \\ \underline{- 15} \\ 0 \end{array}$$

6.55 m

2. Jenny charges \$9.15 an hour to babysit toddlers and \$7.45 an hour to babysit school-aged children.
- a. If Jenny babysat toddlers for 9 hours and school-aged children for 6 hours, how much money did she earn in all?

$$\begin{array}{r} 1 \ 4 \\ 9.15 \\ \times 9 \\ \hline 82.35 \end{array}$$

$$\begin{array}{r} 2 \ 3 \\ 7.45 \\ \times 6 \\ \hline 44.70 \end{array}$$

$$\begin{array}{r} 82.35 \\ + 44.70 \\ \hline 127.05 \end{array}$$

\$127.05

- b. Jenny wants to earn \$1300 by the end of the summer. How much more will she need to earn to meet her goal?

$$\begin{array}{r} 299.95 \\ 1300.00 \\ - 127.05 \\ \hline 1172.95 \end{array}$$

\$1172.95

3. A table and 8 chairs weigh 235.68 pounds together. If the table weighs 157.84 lbs., what is the weight of one chair in pounds?

Diagram showing a table weighing 157.84 lbs. and 8 chairs weighing 77.84 lbs. together, totaling 235.68 lbs.

$$\begin{array}{r} 235.68 \\ -157.84 \\ \hline 77.84 \end{array}$$

$$\begin{array}{r} 9.73 \\ 8 \overline{)77.84} \\ \underline{72} \\ 58 \\ \underline{-56} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

9.73 lbs.

4. Mrs. Cleaver mixes 1.24 liters of red paint with 3 times as much blue paint to make purple paint. She pours the paint equally into 5 containers. How much blue paint is in each cup? Give you answer in liters.

Diagram showing 5 containers, each containing 1.24 liters of red paint (r) and 3 times as much blue paint (b).

$$\begin{array}{r} 1.24 \\ \times 3 \\ \hline 3.72 \end{array}$$

$$\begin{array}{r} 0.744 \\ 5 \overline{)3.720} \\ \underline{-35} \\ 22 \\ \underline{-20} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

There is 0.744 L of blue in each cup.