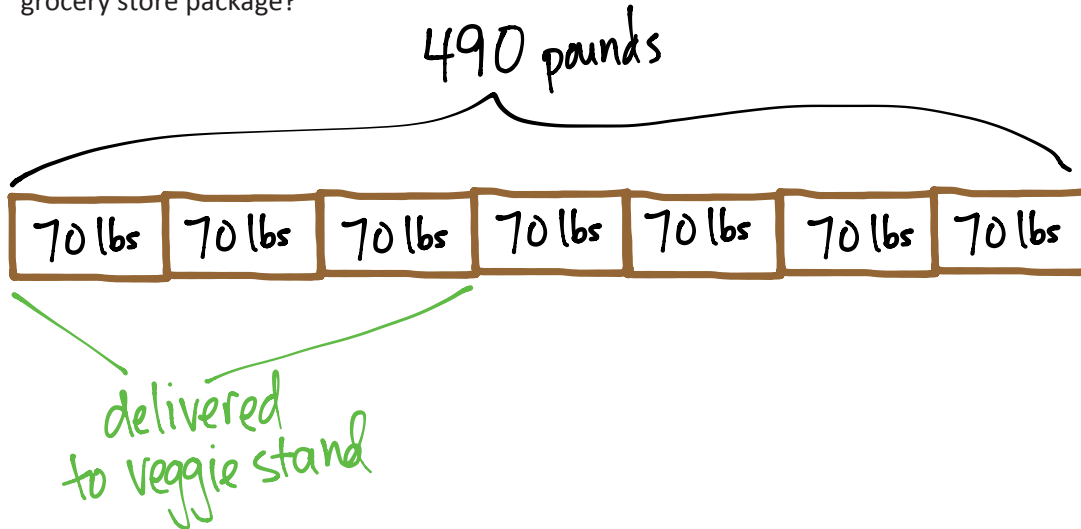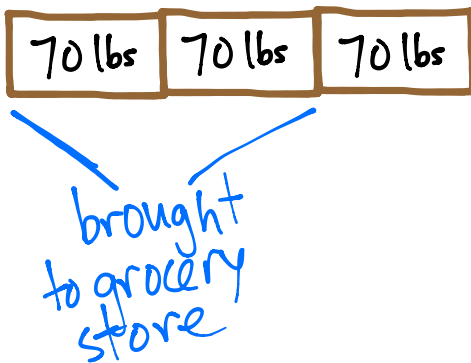Name _____   Date _____

1. Pat's Potato Farm grew 490 pounds of potatoes. Pat delivered $\frac{3}{7}$ of the potatoes to a vegetable stand. The owner of the vegetable stand delivered $\frac{2}{3}$ of the potatoes he bought to a local grocery store, which packaged half of the potatoes that were delivered into 5-pound bags. How many 5-pound bags did the grocery store package?

490 pounds

| 70 lbs | 70 lbs | 70 lbs | 70 lbs | 70 lbs | 70 lbs | 70 lbs |

7 units = 490
1 unit = 70

delivered to veggie stand

| 70 lbs | 70 lbs | 70 lbs |

brought to grocery store

| 70 lbs |

These are placed into 5-pound bags.

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

14 bags were made.

Lesson 24:   Make sense of complex, multi-step problems, and persevere in solving them. Share and critique peer solutions.
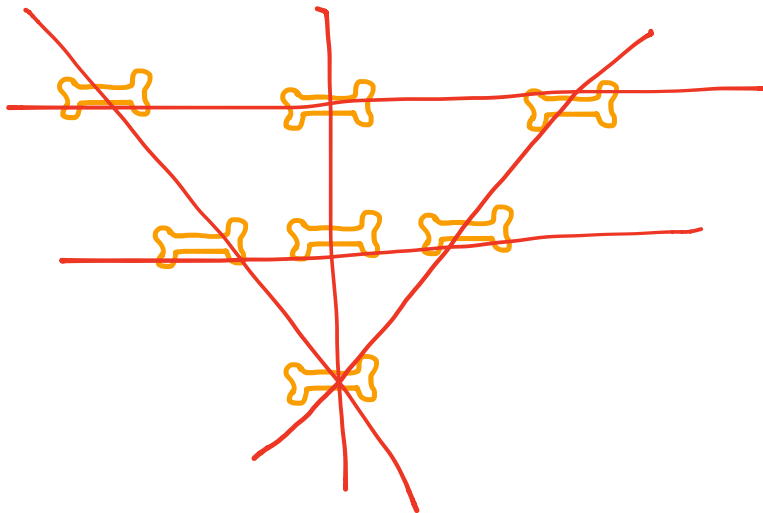
The following problems are for your enjoyment. They are intended to encourage working together and family problem-solving fun. They are not a required element of this homework assignment.

2. Six matchsticks are arranged into an equilateral triangle. How can you arrange them into 4 equilateral triangles without breaking or overlapping any of them? Draw the new shape.

Use the 6 matchsticks to create a pyramid with a triangular base.
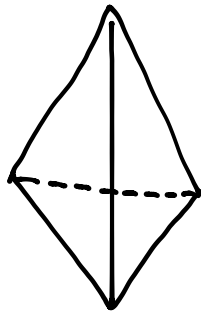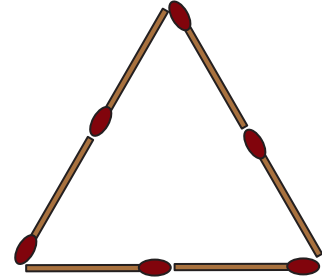
3. Kenny's dog, Charlie, is really smart! Last week, Charlie buried 7 bones in all. He buried them in 5 straight lines and put 3 bones in each line. How is this possible? Sketch how Charlie buried the bones.

Other solutions may be possible.

EUREKA MATH™

Lesson 24:   Make sense of complex, multi-step problems, and persevere in solving them. Share and critique peer solutions.

123