Name: _____ Date: _____

A worker is checking to see how many boxes are needed. She knows a machine packs 420 candy bars. It puts 6 candy bars in a box.

She thinks 70 boxes are needed.
The picture shows how she found her answer.

Explain what she did.

$$
\begin{array}{r}
6\overline{)420} \\
-300 \quad 6 \times \quad 50 \\
\hline
120 \\
-120 \quad 6 \times \quad 20 \\
\hline
0 \\
\hline
70
\end{array}
$$

Another machine packs 420 granola bars. It backs 5 granola bars in a box. How many boxes will it need?

Use the worker's strategy to find how many boxes are needed for granola bars.

Big Idea #15: Representing multi-digit division • Task 15D