**BLM 6.SS.3.4: Peter’s Toy Box (Volume)**

Peter wanted to build a toy box. Peter’s Dad asked Peter how big he wanted to make his toy box. Peter thought about it.

“I have lots of blocks, cars, and trucks.” said Peter.

“Put them all side-by-side.” said Peter’s Dad. “Now, let’s figure out how much space they use up.”

Peter looked at his toys, and said “How can we figure out how much space they use up?”

Peter’s Dad said “Here is my measuring tape. We are going to use it to measure the length, the width, and the height that these toys take up.”

Dad was measuring, and Peter wrote down the dimensions.

Here are the dimensions Peter recorded:

Length: 90 cm

Width: 70 cm

Height: 50 cm

What does the volume of the new toy box need to be so all the toys will fit in?