

GROWING AGRICULTURE

together.

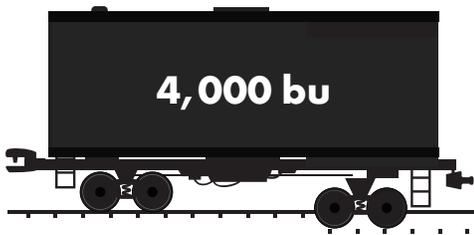
Name: _____

GRAIN BUSHELS

To transport grain from an elevator to an end-user, a merchandiser must coordinate trains and trucks to pick up the grain from a location to deliver it to its final destination or to its next stop via a barge or ship. But before they can schedule transportation, they need to know how many bushels they need to transport. Using the given units below, solve the math problems to the right. (Note: Units are estimated on the left. Dry corn is much heavier than wet corn which can cause variances in bushels per load.)



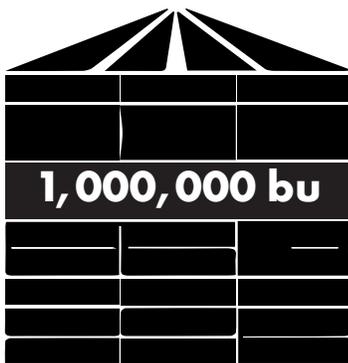
One semi = 910 bushel of corn



One rail car = 4,000 bushel of corn



One ship = 2,362,200 bushel of corn



One large bin = 1 million bushel of corn

1. A co-op filled a large grain bin and is ready to sell it all to an end-user. How many semis could they fill with those bushels? Round to the nearest whole number.

Answer: _____

2. If the co-op decided to sell the same amount of grain as above, but wanted to transport it via train instead, how many rail cars could they fill? Round to the nearest whole number.

Answer: _____

3. The co-op can only order a train that is 115 rail cars long. If the co-op wanted to sell two large bins worth of grain, how many trains would they need to order? Round to the tenths.

Answer: _____

4. If 115 rail car trains were to be loaded on a ship to go overseas, how many trains would be needed to fill the ship? Round to the tenths.

Answer: _____



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GRAIN BUSHELS

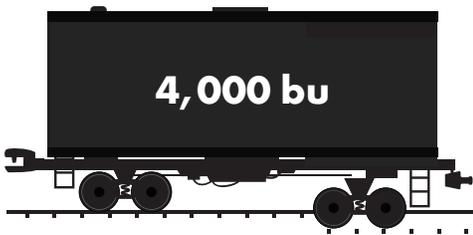
To transport grain from an elevator to an end-user, a merchandiser must coordinate trains and trucks to pick up the grain from a location to deliver it to its final destination or to its next stop via a barge or ship. But before they can schedule transportation, they need to know how many bushels they need to transport. Using the given units below, solve the math problems to the right. (Note: Units are estimated on the left. Dry corn is much heavier than wet corn which can cause variances in bushels per load.)



One semi = 910 bushel of corn

1. A co-op filled a large grain bin and is ready to sell it all to an end-user. How many semis could they fill with those bushels?
Round to the nearest whole number.

Answer: 1,098 semis



One rail car = 4,000 bushel of corn

2. If the co-op decided to sell the same amount of grain as above, but wanted to transport it via train instead, how many rail cars could they fill? Round to the nearest whole number.

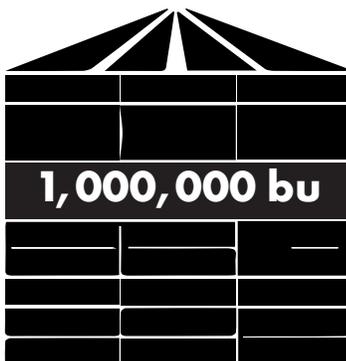
Answer: 250 rail cars



One ship = 2,362,200 bushel of corn

3. The co-op can only order a train that is 115 rail cars long. If the co-op wanted to sell two large bins worth of grain, how many trains would they need to order? Round to the tenths.

Answer: 4.3 trains



One large bin = 1 million bushel of corn

4. If 115 rail car trains were to be loaded on a ship to go overseas, how many trains would be needed to fill the ship? Round to the tenths.

Answer: 5.1 trains

