Multiply or Divide Word Problems - Guided Lesson Explanations

Explanation to #1

Step 1) First, we need to know what is being asked of us.

"What is the number of boxes needed by the company to ship the bowls?"

Step 2) The company has to ship 624 bowls. Each box can hold 6 bowls.

To find number of boxes, divide the number of bowls (624) by the capacity of each box (6).

$$\frac{624}{6} = 104$$

So the answer is 104.

The company needs 104 boxes to ship 624 glass bowls.

Explanation to #2

Step 1) First, we need to know what needs to be calculated:

"The number of diamonds used by jewelers."

Step 2) The jeweler put 3 diamonds on each necklace and made 18 diamond necklaces.

In order to find out total number of diamonds, we have to multiply the number of diamonds on each necklace (3) by the number of total necklaces (18).

3 X 18 = 54

So 54 diamonds are fixed on 18 necklaces.

Explanation to #3

Step 1) First, we should know what we have to calculate.

"The number of trips made by the ferry to transport 88 trucks."

Step 2) 88 trucks are to be transported and the ferry can take 8 trucks at a time. So number of the trips to be taken by the ferry to transport 88 trucks can be determined by dividing total number of trucks (88) by the capacity of the ferry (8).

$$\frac{88}{8} = 11$$

So the ferry has to make 11 trips to transport 88 trucks on to the island.