

4MA.A.3 solve multi-step word problems with whole numbers and having whole number answers using four operations, including problems with remainders must be interpreted. Represent these problems using equations with a symbol or letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.

18. (3.OA.3) A company has to ship several vehicles to Mall of Georgia Ford. The table shows the number of each type of vehicle the dealership ordered.

| Vehicle Order    |                |
|------------------|----------------|
| Type of Vehicles | Number Ordered |
| Mini-van         | 34             |
| Compact          | 25             |
| SUV              | 42             |
| Convertible      | 15             |

**The company can ship 8 vehicles on each truckload.**

**Part A**

How many vehicles did Mall of Georgia Ford order altogether? Show your work or explain your answer.

**Part B**

How many truckloads are needed to deliver all of the vehicles?

**Part C**

If the company begins by filling each truckload with as many vehicles as possible, how many vehicles will be on the last truckload? Explain your answer.

Part A:

$$\begin{array}{r} 34 \\ 25 \\ 42 \\ + 15 \\ \hline 116 \end{array}$$

Part B:

|   |     |    |    |   |   |
|---|-----|----|----|---|---|
|   | 116 |    |    |   |   |
| 8 | 40  | 40 | 32 |   |   |
|   | 5   | +  | 5  | + | 4 |

Part B & C:

5 + 5 + 4 = 14 with 4 cars left over, therefore 15 truckloads will be needed. 4 cars will be on the last truck.