Choose 1 of the following to complete:

Level D:

In the back stockroom at the Wheel Shop, the number of seats and horns equaled the number of wheels. The number seats and handlebars equaled the number of horns. Twice the number of wheels is equal to three times number of handlebars. Determine the relationship of horns to seats.

Level E:

The repair department of the bicycle shop repairs three things: flat tires, bent handle bars and ripped seats. Today in the repair department, 25% of the bikes had flat tires only, 5% had bent handlebars only, and 10% had ripped seats only. Just 1/12th of the bikes had all three repairs to do: flat tires, bent handlebars and ripped seats. No bikes were completely fixed and there are a total of 101 repairs to be made. How many bikes are in the repair department? How many bikes need two repairs? If less than half of all the bikes have a ripped seat, what is the range of bikes that need both the tires and handlebars repaired without needing to fix the seat?

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