Problem of the Week
Problem A
Yard Sale

North Star Community School is planning a yard sale to raise money for the Mathletes program. Each grade level is organizing items to sell. The grade 3 and 4 classes have many donations.

- Aoife donates a book, that weighs one and three-quarter kilograms.
- Soroush donates a bowling ball that weighs 7200 g.
- Keiran donates a box of laundry soap that weighs 3 kg.
- Reese donates a jug that weighs one-quarter of a kilogram.
- Sofia donates an unopened package of 6 protein bars. Each bar weighs 50 g.
- Graydon donates a sack of sugar that weighs four times as much as the jug that Reese donates.
- Nathan donates a pumpkin that weighs five and a half kilograms.

A) What is the total weight of all donated items?

B) The students organize the items by weight, with the heaviest item on the left side and the lightest item on the right. How are the items arranged?

C) If each table can only hold up to a maximum of 10 kg and they keep the items in the order from part B), what is the fewest number of tables they need for the sale?

STRANDS MEASUREMENT, NUMBER SENSE AND NUMERATION