

## Grade 4 – Math

This task will ask students to solve a multi-step word problem appropriate to Grade 4 involving knowledge of the four operations with whole numbers.

### QUESTION:

Ms. Morales has a bag of beads.

- She gives Elena 5 beads.
- She gives Damian 8 more beads than Elena.
- She gives Trish 4 times as many beads as Damian.

Ms. Morales has 10 beads left in the bag.

PART A: How many beads did Damian and Trish each receive? Show or explain how you arrived at each answer.

PART B: How many beads were in Ms. Morales' bag before any beads were given to students?

beads

### ANSWER:

Elena – 5 beads

Damian – 13 beads

Trish – 52 beads

Total in bag – 80 beads

Elena has 5 beads so Damian has  $5 + 8 = 13$  beads.

Trish has  $4 \times 13 = 52$  beads.

Altogether there are  $5 + 13 + 52 = 70$  beads. I know that 80 is ten more than 70, so there were 80 total beads.