

## Question 7

## Question 7

1 point possible (graded)

After the previous step of the evaluation we are left with:

$$\begin{aligned}
 &(\text{foo } (+ \ 1 \ 1) \ 4) \quad \longrightarrow \quad (\text{foo } 2 \ 4) \quad \longrightarrow \quad \begin{array}{l} (+ \ (* \ 3 \ 2) \\ 4 \\ (* \ 4 \ 2)) \end{array} \\
 &\quad \longrightarrow \quad \begin{array}{l} (+ \ 6 \\ 4 \\ (* \ 4 \ 2)) \end{array}
 \end{aligned}$$

What is the next step of the evaluation and what does that leave us with?

- ☐ 6 and 4 are added to produce 10.

$$\begin{array}{l} (+ \ 10 \\ (* \ 4 \ 2)) \end{array}$$

- ☒  $(* \ 4 \ 2)$  is replaced with 8.

$$\begin{array}{l} (+ \ 6 \\ 4 \\ 8) \end{array}$$



- ☐  $(* \ 4 \ 2)$  is replaced with 8 and 4, 6, and 8 are added together.

18

## Explanation

Next, the expression  $(* \ 4 \ 2)$  evaluates to 8.

**i** Answers are displayed within the problem