

Question 6**Question 6**

1 point possible (graded)

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

$$(\text{foo } (+ \ 1 \ 1) \ 4) \rightarrow (\text{foo } 2 \ 4) \rightarrow \begin{array}{l} (+ \ (* \ 3 \ 2) \\ \quad 4 \\ \quad (* \ 4 \ 2)) \end{array}$$

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

- ☐ (* 3 2) is replaced with 6 and (* 4 2) is replaced with 8.

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

- ☐ (* 4 2) is replaced with 8.

$$\begin{array}{l} (+ \ (* \ 3 \ 2) \\ \quad 4 \\ \quad 8) \end{array}$$

- ☒ (* 3 2) is replaced with 6.

$$\begin{array}{l} (+ \ 6 \\ \quad 4 \\ \quad (* \ 4 \ 2)) \end{array}$$
**Explanation**We now simply evaluate the expression $(+ \ (* \ 3 \ 2) \ 4 \ (* \ 4 \ 2))$ in left to right, inside to outside order, so $(* \ 3 \ 2)$ evaluates to 6.

Answers are displayed within the problem