

Names: \_\_\_\_\_

Date: \_\_\_\_\_

## SCAFFOLDING FOR CHAPTER 4 WEB QUEST

### Question 4

#### **Understand the Problem**

We know:

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We need to know:

a) How many worms are in a pound and how many litres of castings one pound of worms would produce.

b) How many pounds of worms we have.

c) The number of litres our worms would produce in a 9 weeks.

## **Make a Plan**

Complete the table of values to find the number of castings your class's worms could produce in 36 weeks. Then create a scatter plot to predict the number of castings your worms could produce in 90 weeks.

## **Carry Out the Plan**

**Step 1:** On a separate piece of paper, complete the table of values to determine the number of castings your worms will produce in 36 weeks. See Web site for the link to the table of values.

**Step 2:** Write the pattern rule for the number sequence in the table.

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**Step 3:** Write the next four terms in the number sequence in the table of values.

**Step 4:** On grid paper, create a scatter plot to predict the number of castings your worms will produce in 90 weeks.

**Step 5:** Write your prediction.

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## **Look Back**

Check to see if your prediction was reasonable.