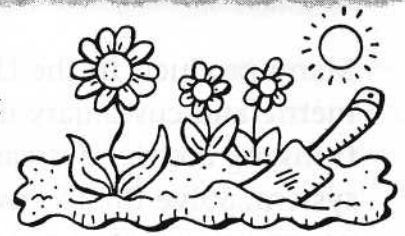


# Lori the Landscaper

Lori helps her father with his landscaping business whenever she can. She understands measurement, which is an important skill for the work she does. Answer the following questions. Use the following formulas:  $P = 2l + 2w$  and  $A = l \times w$ .



**1** When Lori's father got a job to enclose a yard with a fence, he asked her to help him find how much fencing they would need. The area to be fenced was a rectangle, 102 feet by 96 feet. Her father told Lori that the gate for the driveway would be 12 feet wide and should not be included with the total amount of fencing needed. How many feet of fencing would they need to enclose the yard?

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The fence the customer wanted came in sections of 8 feet. How many sections have to be ordered?

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Each section costs \$15.99. How much will the fence cost?

**2** The next job involved reseeding a customer's lawn. Only the backyard and front yard needed reseeding. The dimensions of the backyard were 98 feet by 64 feet. What was the area of the backyard?

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A patio with dimensions of 16 feet by 14 feet was also in the backyard. What was the area of the patio?

Since grass seed was not needed for the area covered by the patio, what was the area of the backyard that had to be reseeded?

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The dimensions of the front lawn were 42 feet by 48 feet. What was the area of the front lawn?

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What was the total area of the yard that had to be reseeded?

**3** One of their customers asked Lori and her dad to make a rectangular flowerbed 16 feet long by 12 feet wide. What was the area of the flowerbed?

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To provide good coverage, 3 flowers should be planted for every square foot. How many flowers should be planted in the flowerbed?

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The customer would also like plastic edging to be placed around the flowerbed. Assuming the edging is placed on each side, how much edging is needed?