

PROBLEM-OF-THE-DAY: ALGEBRA 1
WEEK: October 8 to October 12 **DAY:** Friday

RISD Objective: Given a figure (including composite figures) and/or a word problem, students will find the perimeter or circumference, applying it as necessary.

PROBLEM #38

The company Pest-R-Dead charges \$1.49 per linear foot to treat the perimeter of a home against unwanted insects. If the Smith's home measures 32 feet by 70 feet, how much will they be charged to treat their home?



MODEL SOLUTION #38

First, we need to find the perimeter of the house. So,

$$32 + 32 + 70 + 70 = 204$$

or

$$2(32) + 2(70) = 204$$

Then,

$$(204)(1.49) = 303.96$$

The Smiths will be charge \$303.96 to treat their home.