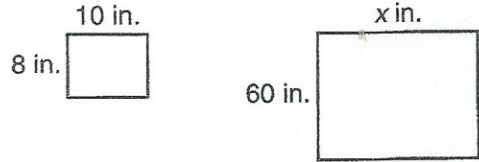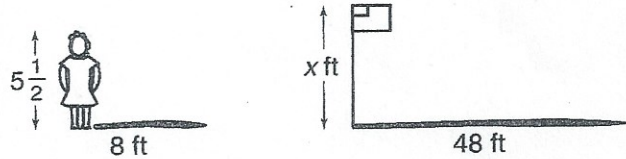# 8-8 Practice

Indirect Measurement

Write a proportion for each problem and solve it. Assume the figures are similar.
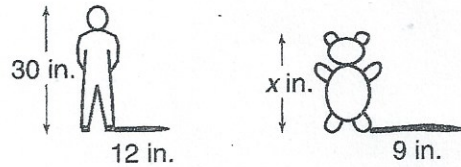
1. A photograph measuring 8 inches wide and 10 inches long is enlarged to make a wall mural. The mural is 60 inches wide. How long is the mural?
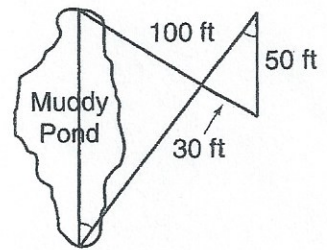

2. Lena is $5\frac{1}{2}$ feet tall and casts an 8-foot shadow. At the same time, a flagpole casts a 48-foot shadow. How tall is the flagpole?

3. Bobbi is 30 inches tall and casts a 12-inch shadow. At the same time, her teddy bear casts a 9-inch shadow. How tall is Bobbi's bear?

4. Bob and Ted carefully place wooden stakes to measure the length of Muddy Pond. How long is Muddy Pond?

5. Janice is trimming a large piece of parachute fabric to make a store-window display 6-feet high. When she discards the scrap, how long will the remaining piece of fabric be?

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