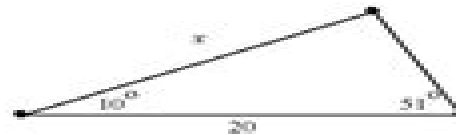


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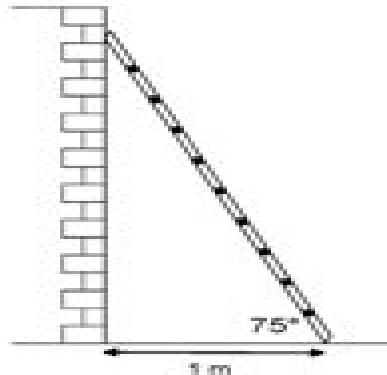
Overall Expectations

- use their knowledge of ratio and proportion to investigate similar triangles and solve problems related to similarity;
- solve problems involving right triangles, using the primary trigonometric ratios and the Pythagorean theorem;
- solve problems involving acute triangles, using the sine law and the cosine law.

1. State the value of x .



$x =$ _____



2. A ladder is leaning up against a wall. The base of the ladder is 1 m from the wall and the ladder makes a 75° angle with the ground. How high up the wall does the ladder reach? Show your work.

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