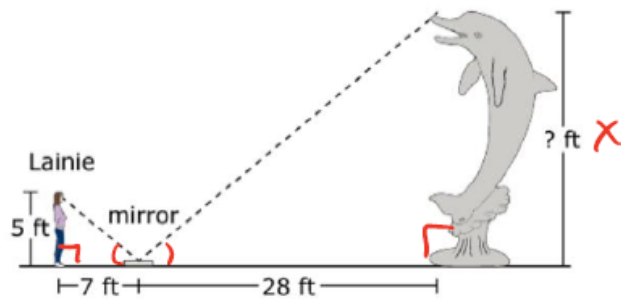


Lainie wants to calculate the height of the sculpture. She places a mirror on the ground so that when she looks into the mirror she sees the top of the sculpture, as shown.



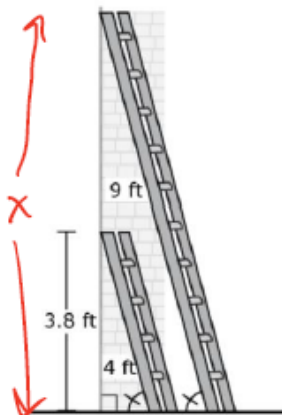
What is the height, in feet, of the sculpture?

$$\frac{5}{7} = \frac{X}{28}$$

$$20 = X$$

The dolphin is 20 feet tall.

- A 9-foot ladder and a 4-foot ladder are leaning against a house. The two ladders create angles of the same measure with the ground. The 4-foot ladder has a height of 3.8 feet against the house.



What is the height, in feet, of the 9-foot ladder against the house?

$$3.8 \frac{X}{3.8} = \frac{9}{4} (3.8)$$

$$X = \frac{34.2}{4}$$

$$X = 8.55$$

The height is 8.55 feet.