

Solve all the questions

1. A ladder is leaning against a wall that is 9 m tall. The foot of the ladder is 3 m away from the wall. How long is the ladder?

- A. 6 meters
- B. 10 meters
- C. 12 meters
- D. 15 meters

2. A right triangle has legs of lengths 7 cm and 24 cm. What is the length of the hypotenuse?

- A. 17 cm
- B. 25 cm
- C. 29 cm
- D. 31 cm

3. A flagpole is standing vertically on a building. A 25-meter-long cable is attached to the top of the flagpole and the building. If the flagpole is 20 meters high, how far up the building is the cable attached?

- A. 15 meters
- B. 20 meters
- C. 21 meters
- D. 24 meters

Remarks: Copy the questions in your note book and solve.