

Let:

$$L = 120 \text{ cm} = 0,12\text{m}$$

$$v = ?$$

The ball moving is free fall,

$$v = \sqrt{2gL}$$

Enter the data:

$$v = \sqrt{2 \times 9.8 \times 0.12} = 2.352 \text{ m/s}$$

**Answer: 2.352 m/s.**