Solve and choose the correct answer with short explanation

1. Bhim is building a rectangular prism with a length of 8 meters, a width of 4 meters, and a height of 6 meters. If she doubles the length, keeps the width the same, and halves the height, how does the total surface area of the rectangular prism change?

A) Increases

B) Decreases

C) Remains the same

Explanation:

2. Jigme is constructing a rectangular prism with dimensions 10 meters by 6 meters by 4 meters. If he triples the length, doubles the width, and quadruples the height, how does the total surface area of the rectangular prism change?

A) Increases

B) Decreases

C) Remains the same

Explanation:

LIVEWORKSHEETS