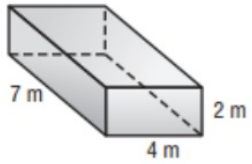
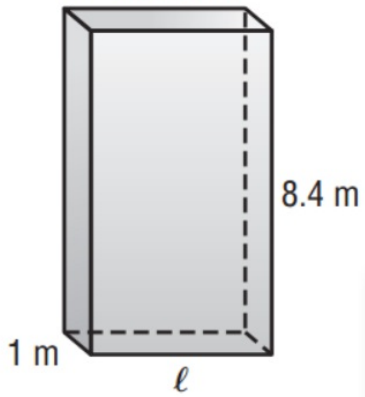
2.



(7)(4)(2)

56 m³

10. $V = 39.48\ m^3$



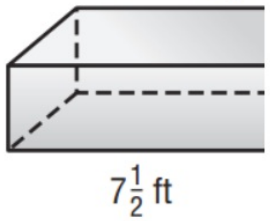
4.7 m

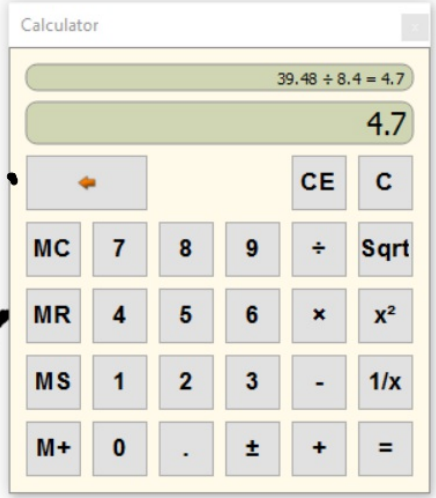
$V = l \times w \times h$

$39.48 = l \times 1 \times 8.4$

$39.48 = l \times 8.4$

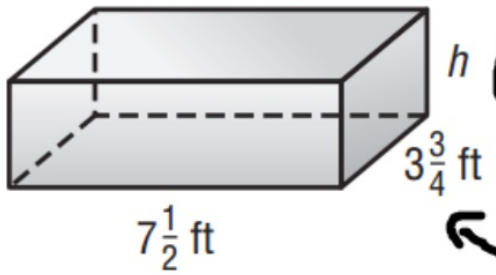
11. $V = 56\frac{1}{4}\ ft$





n of each prism.

11.



$\frac{225}{4}$

$V = l \times w \times h$

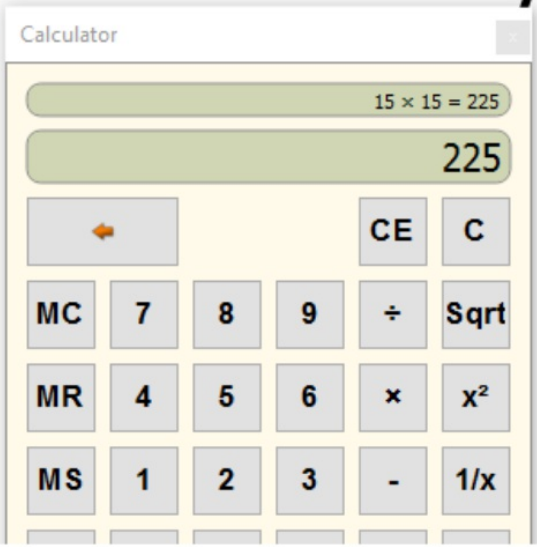
$\frac{225}{4} = \left(\frac{15}{2}\right)\left(\frac{15}{4}\right) \times h$

$\frac{225}{4} = \frac{225}{8} \times h$

$\frac{15}{2}$ $\frac{15}{4}$

divide!

2 ft



$\frac{225}{4} \div \frac{225}{8}$

$\frac{225}{4} \times \frac{8}{225} = 2$

1. **OLYMPICS** Olympic gold medal winner Michael Phelps competes in a pool with required dimensions 25 meters by 50 meters by 2 meters. What is the volume of the Olympic-sized pool? Explain how you found your answer.

$(2)(25)(50)$

$= 2500$

5. **RECYCLING** The town of Riverview provides a rectangular recycling bin for newspapers to each household. If the volume is 3,840 cubic inches, what is the height of the recycling bin?

$V = l \times w \times h$

$3840 = 20 \times 12 \times h$

$3840 = 240\,h$

$\frac{3840}{240} = h$

16