Name _____ Date _____

Find the volume of the prism.

1.

$\frac{2}{3}$ m

$\frac{1}{2}$ m

$\frac{1}{3}$ m

2.

$\frac{1}{2}$ ft

$\frac{3}{2}$ ft

$\frac{5}{4}$ ft
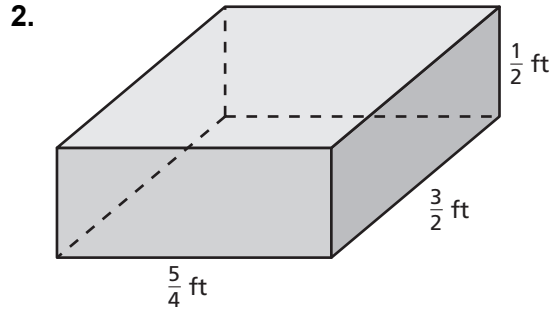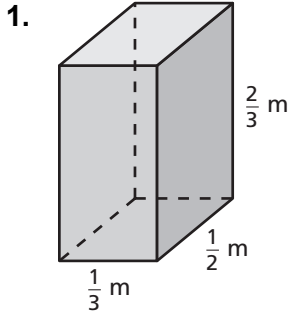
Write and solve an equation to find the missing dimension of the prism.

3. Volume $= 18,000$ in.^{3}

30 in.

x

30 in.

4. Volume $= 55$ in.^{3}

11 in.

ℓ

0.5 in.
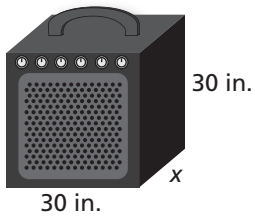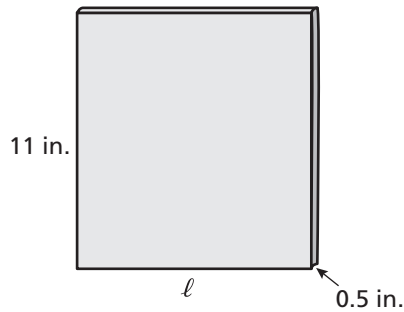
5. You are mailing a birthday present to a friend. You have a box that has a length of $2\frac{1}{2}$ feet, a height of 2 feet, and a width of $1\frac{1}{2}$ feet. The present has a volume of 3 cubic feet. What is the volume of the empty space in the box?