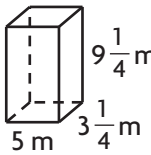
Name _____

Volume of Rectangular Prisms

COMMON CORE STANDARD—6.G.2
Solve real-world and mathematical problems involving area, surface area, and volume.

Find the volume.

1.

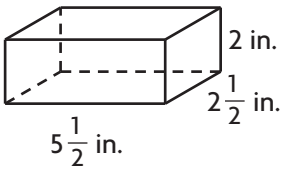


$V = lwh$

$V = 5 \times 3\frac{1}{4} \times 9\frac{1}{4}$

$V = 150\frac{5}{16}\ m^3$

2.



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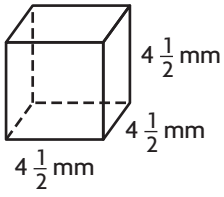

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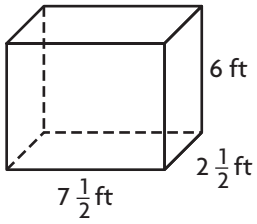

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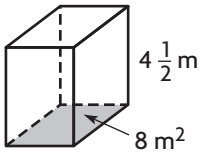

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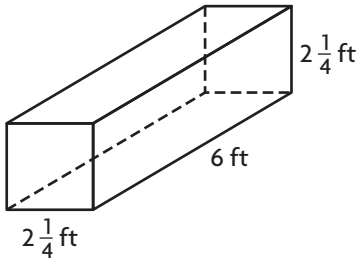

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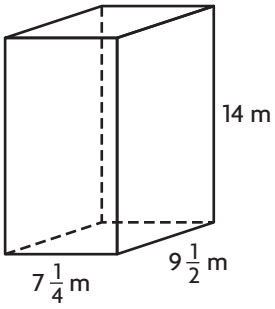
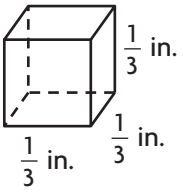
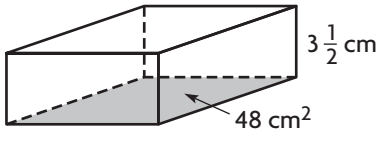


8.



9.



Problem Solving Real World

10. A cereal box is a rectangular prism that is 8 inches long and $2\frac{1}{2}$ inches wide. The volume of the box is 200 $in.^3$. What is the height of the box?

11. A stack of paper is $8\frac{1}{2}$ in. long by 11 in. wide by 4 in. high. What is the volume of the stack of paper?