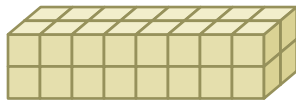


7.5–7.6 Quiz



1. Find the number of cubes it takes to fill the box. (Section 7.6)

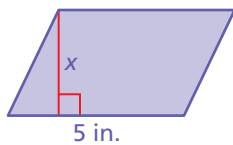


2. Find the volume of the rectangular prism. (Section 7.6)

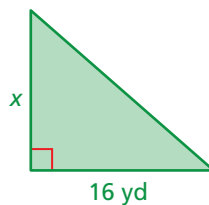


Write and solve an equation to find x . Check your solution. (Section 7.5)

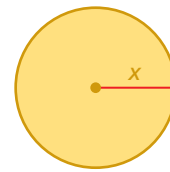
3. Area = 15 in.^2



4. Area = 112 yd^2

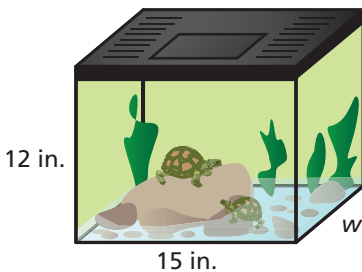


5. Circumference = 157 in.



Write and solve an equation to find the missing dimension of the rectangular prism. (Section 7.6)

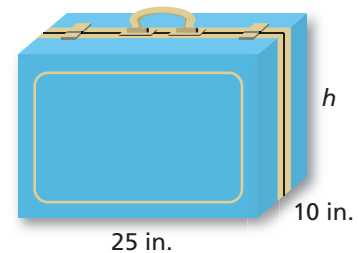
6. Volume = 1620 in.^3



7. Volume = 154 in.^3

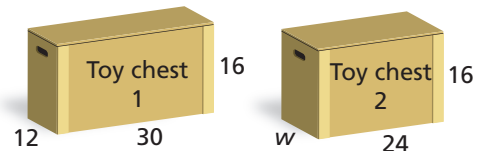


8. Volume = 4250 in.^3



9. **BATH MAT** A circular bath mat has a circumference of 75.36 inches. What is the diameter of the mat? (Section 7.5)

10. **TOY CHEST** A toy company sells two different toy chests. The toy chests have different dimensions, but the same volume. What is the width w of toy chest 2? (Section 7.6)



11. **CUBE** How many 1-inch cubes are needed to create a cube with a side length of 7 inches? (Section 7.6)

12. **FENCING** You put 50 feet of fencing around the rectangular garden. What is the length l of the garden? (Section 7.5)

