Multiplying Fractions | Word Problems

1) Daphne buys a flower pot with a trapezoidal base. If the sum of the lengths of parallel sides is $\frac{126}{5}$ cm, and the height of the base is $\frac{65}{3}$ cm, what is the area of the base of the pot?
[Hint: Area = $\frac{1}{2}$ × height × sum of the lengths of the bases]

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2) Julian fills a cube-shaped container with water up to the brim. If the side of the cube
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[Hint: Volume = length × width × height]

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5) A rectangular juice dispenser in a fast-food restaurant is filled with lemonade. If the length, width, and height of the dispenser are $\frac{90}{4}$ cm, $\frac{64}{10}$ cm, and $\frac{40}{3}$ cm, how much juice can the dispenser hold? [Hint: Volume = length × width × height]

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