

# Multiplying Fractions | Word Problems

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- 1) Gavin buys a fish tank from the pet shop. The tank's length, width, and height are  $\frac{32}{3}$  inches,  $\frac{63}{8}$  inches, and  $\frac{23}{3}$  inches respectively. What is the volume of the tank?

[Hint: Volume = length  $\times$  width  $\times$  height]

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- 2) In the backyard, Jenna dug a trench that measured  $\frac{20}{9}$  feet in width,  $\frac{7}{5}$  feet in depth,

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[Hint: Area =  $\frac{1}{2} \times$  product of the lengths of the diagonals]

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- 5) Mr. Saunders keeps his tools on a shelf that has a trapezoidal base. If the height of the base is  $\frac{13}{4}$  feet, and the sum of the lengths of the parallel sides is  $\frac{37}{4}$  feet, what is the area of the base of the shelf? [Hint: Area =  $\frac{1}{2} \times$  height  $\times$  sum of the lengths of the bases]
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