

Teacher Guide

Miguel's Volume Problem
Homework (TG pp. 1–2)
Questions 1–2

1. $72 \text{ cc} - 12 \text{ cc} = 60 \text{ cc}$; $\text{cc} + 12 \text{ cc} = 72 \text{ cc}$

Name _____ Date _____

Miguel's Volume Problem

Homework

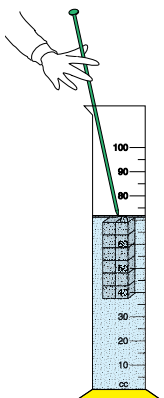
Dear Family Member:

Your child is learning to read volumes on graduated cylinders. Students learned that centimeter connecting cubes are about 1 cc of volume each, so the volume of 12 cubes is 12 cc. Help your child complete the problem below.

Thank you.

1. Miguel put 12 centimeter connecting cubes into water. The graduated cylinder reads 72 cc.

How much water is in the graduated cylinder? Write a number sentence to show how you got your answer.



Number sentence _____

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2. A. 302
 B. 91
 C. 177
 D. Possible response: $272 - 171 = 101$ and $101 - 10 = 91$
 E. One possible response: use friendly numbers 160 and 240. $100 + 100 = 200$, $60 + 40 = 100$, and $200 + 100 = 300$; 302 is close to 300.

2. A. $\begin{array}{r} 163 \\ +139 \\ \hline \end{array}$ B. $\begin{array}{r} 262 \\ - 171 \\ \hline \end{array}$ C. $326 - 149 =$

D. Chose one problem from Question 2. Show how to solve it using a mental math strategy.

E. Show or tell how you know your answer to Question 2A is reasonable.

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