

MY Homework

Lesson 6

Solve Measurement Problems

Homework Helper



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Alfredo has a board that is 2 meters long. He needs 3 pieces that are each 50 centimeters long. How many centimeters of the original board will be left after he cuts the 3 pieces he needs?

1 Convert the meters to centimeters. Meters are larger than centimeters, so you will multiply.
 $2 \text{ meters} \times 100 = 200 \text{ centimeters}$

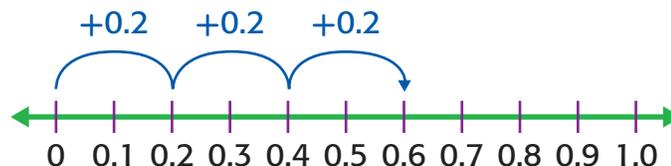
2 Multiply to find the total length of the 3 pieces Alfredo needs.
 $3 \times 50 \text{ centimeters} = 150 \text{ centimeters}$

3 Subtract to find the new length of the original board.
 $200 - 150 = 50 \text{ centimeters}$

So, Alfredo will have 50 centimeters left of the original board.

Practice

1. Chloe buys 3 jars of peanut butter for the food drive. Each jar has a mass of 0.2 kilogram. What is the mass of all 3 jars of peanut butter? Use the number line.





Problem Solving

2. Aidan mixes 630 milliliters of blue paint with 2 liters of red paint to make purple paint. How many milliliters of purple paint does Aidan have?
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3. Celine is knitting a scarf. The finished length will be 1.2 meters. So far she has knitted 0.8 meters. How many more meters does Celine need to knit? Draw a number line to solve.
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4. Joanie's bag of trail mix has a mass of 0.75 kilogram. She and some friends eat 0.5 kilogram of the mix. How many kilograms of trail mix are left? Draw a number line to solve.
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5. **Mathematical PRACTICE**  **Use Math Tools** Ross found 5 ladybugs. Each is 0.8 centimeter long. If he lays the ladybugs in a row, what is the total length in millimeters? Draw a number line to solve.
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6. Lucas is riding his bike to the park which is 2 kilometers from his house. When he is one-fourth of the way to the park, it starts to rain. Lucas turns around and rides back home. How many meters did Lucas ride?
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My Work!

Test Practice

7. Grayson stacked 17 kilograms of firewood on Saturday and 15 kilograms of firewood on Sunday. How many more grams of firewood did he stack on Saturday?
- (A) 2,000 grams (C) 20,000 grams
(B) 3,200 grams (D) 32,000 grams