

2.10 Multistep Decimal Word Problems

Chapter 2: Decimal Operations

Name: _____

Date: _____

Class/Period: _____

Problem 2.136 Ellen wants to buy a DVD player for \$49.95, a DVD holder for \$19.95, and a personal stereo for \$21.95. Does she have enough money if she has \$90.00?

Problem 2.139 Patricia has \$425.82 in her checking account. She deposits \$120.75 and withdraws \$185.90. What is her new balance?

Problem 2.137 Melissa buys \$39.46 in groceries and receives \$1.46 change from a \$50.00 bill. How much more change does the cashier owe her?

Problem 2.140 One jar of sugar has a mass of 1.9 kilograms. What is the total mass of 13 jars?

Problem 2.138 A 10-foot piece of electrical tape has five pieces, each 1.25 feet long, cut from it. What is the new length of the tape?

Problem 2.141 Carpeting costs \$9.99 per yard. If Jan buys 17.4 yards, how much will it cost? Round to the nearest penny.

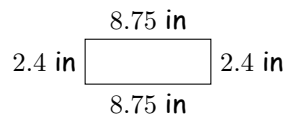
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Problem 2.142 A weekly salary is \$1,015.00. Weekly expenses are rent \$443.50, cable \$23.99, electricity \$45.62, and groceries \$124.87. How much remains?

Problem 2.143 Brad studies 24.4 hours over four days. On average, how many hours does he study each day?

Problem 2.144 Find the perimeter of the rectangle.



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Problem 2.145 Samantha pays \$26.25 for three books that all cost the same amount. What is the cost per book?

Problem 2.148 Leon buys a dozen daisies for \$3.75. Which amount is closest to the price per daisy? \$0.25, \$0.29, \$0.31, or \$0.38?

Problem 2.146 Two bottles of hot sauce weigh 16.9 ounces and 32.55 ounces. What is the difference in their weights?

Problem 2.149 Dolores buys 15 party hats at \$0.75 each and 15 noisemakers at \$1.25 each. How much does she spend in all?

Problem 2.147 Larry pays \$11.20 for four gallons of gas. What is the cost per gallon?

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Problem 2.150 Use the table to answer all three parts.

Item	Cost
Movie ticket	\$8.25
Medium popcorn	\$6.00
Medium soda	\$4.75
Candy	\$3.50

- a) Find the cost of two medium sodas, two medium popcorns, and two movie tickets.
- b) If Marty spends \$66.00 on movie tickets, how many tickets does he buy?
- c) Find the cost of four bags of candy and two movie tickets.

Problem 2.151 Allison earns \$8 per hour and works exactly 20 hours each week for 4 weeks. After buying a \$500 bicycle, how much money remains?

Problem 2.152 Each batch of cookies uses 4.5 ounces of white sugar and 3.6 ounces of brown sugar. If Aris makes 9 batches, how many ounces of sugar are used in total?