

Pre-Algebra Worksheet 6

1 Problems

- Write the decimal:
 - 7 tenths
 - 22 hundredths
 - 500 and 5472 hundred-thousands
- Mary wishes to purchase 3 items of prices \$2.34, \$3.18 and \$2.73. She only has \$10 in her wallet.
 - Arrange the items in order from least to most expensive.
 - By rounding to 1 decimal place, estimate whether she has enough cash to buy these items.
 - What is the total cost of the items?
 - If she does have enough cash to buy these items, what change can she expect to be given from the \$10 bill?
 - If cost of the items **before** tax is \$7.50, then what is the state tax on these items?
- Ross is planning a trip during which he will drive a distance of 116.38 miles. His car averages 20.3 miles per gallon.
 - How many gallons of gas will be need for his trip?
 - A gas station is selling gas for \$1.67 per gallon. How much will the gas cost?
- A rug company installed 200 square meters of carpeting. In the process of trimming the rug, 1 square meter was wasted. What percentage of the rug was wasted?
- An agent for a musical group earns 12% commission based on the group's earnings. How much must the group earn for the agent to earn \$36,000?