

Multi-Step Percent Word Problems

Name KEY

Solve the following percent problems. Show your steps. Round to the nearest penny (hundredth) if needed, and circle your answer.

1) Janet got lunch at Deb's Diner. She spent \$2.25 on a drink, \$7.99 on a sandwich, and \$3.76 on dessert. She also left a 20% tip. How much did she spend altogether?

$$\$14 \cdot 1.20 = \$16.80$$

2) The Sweater Shack is offering a 15% discount on sweaters. If the regular price of the sweater is \$18.00, what is the new price of the sweater?

$$\$18 \cdot 0.85 = \$15.30$$

Jerry has to pay a 7% on the new price. What is his final total?

$$\$15.30 \cdot 1.07 = \$16.37$$

3) Stacy went to the shopping mall. While she was shopping, she found a coat she liked that was on sale. The coat originally cost \$120 but had been reduced by 35%. The store was having a red tag sale that day, so she got an addition 10% off the sale price. How much did Stacy pay for the coat (not including tax)?

$$\$120 \cdot 0.65 = \$78$$

$$\$78 \cdot 0.90 = \$70.20$$

4) Andrea works as a cashier in a music store. A customer wants to pay for a CD that is on sale for 15% off the regular price of \$14.00. Andrea needs to add 7% sales tax to the sale price of the CD. What should Andrea charge the customer for the CD, including tax?

$$\$14.00 \cdot 0.85 = \$11.90$$

$$\$11.90 \cdot 1.07 = \$12.73$$

5.) During a sale, the price of all computers in a store is being reduced by 25%. Albert is interested in a computer with an original cost of \$650. Two weeks later, the sale price of this computer is reduced by an additional 5%. Albert thinks he can now get the computer for 30% off the original price. Describe how the sale price with the additional 5% is different than a single reduction of 30% (use math to prove your answer).

$$\$650 \cdot 0.75 = \$487.50$$

$$\$487.50 \cdot 0.95 = \$463.13$$

$$\$650 \cdot 0.70 = \$455$$