

5-6**Practice: Word Problems*****The Percent Equation***

1. DINING OUT Trevor and Michelle's restaurant bill comes to \$35.50. They are planning to tip the waiter 20%. How much money should they leave for a tip?

2. CHESS The local chess club has 60 members. Twenty-four of the members are younger than twenty. What percent of the members of the chess club are younger than twenty?

3. TENNIS In the city of Bridgeport, 75% of the parks have tennis courts. If 18 parks have tennis courts, how many parks does Bridgeport have altogether?

4. COLLEGE There are 175 students in twelveth grade at Silverado High School. A survey shows that 64% of them are planning to attend college. How many Silverado twelveth grade students are planning to attend college?

5. BASEBALL In the 2001 season, the Chicago Cubs won 88 out of 162 games. What percent of games did the Cubs win? Round to the nearest tenth if necessary.

6. HOUSING In the Lakeview apartment complex, 35% of the apartments have one bedroom. If there are 63 one bedroom apartments, what is the total number of apartments at Lakeview?

7. FOOTBALL In the 2000 season, quarterback Jeff Blake of the New Orleans Saints had 9 passes intercepted out of 302 attempts. What percent of Jeff Blake's passes were intercepted? Round to the nearest tenth if necessary.

8. SPACE On Mars, an object weighs 38% as much as on Earth. How much would a person who weighs 150 pounds on Earth weigh on Mars?

Practice: Word Problems**Sales Tax and Discount**

<p>1. SKATEBOARDS Ines wants to buy a skateboard but she does not know if she has enough money. The price of the skateboard is \$85 and the sales tax is 6%. What will be the total cost of the skateboard?</p>	<p>2. PRETZELS The Spanish club sold hot pretzels as a fund-raiser. The pretzels normally sold for \$1.50, but near the end of the sale they wanted to sell as many as possible, so they reduced the price by 30%. What was the new price for a hot pretzel?</p>
<p>3. COMPUTERS Andrea ordered a computer on the Internet. The computer cost \$1,499 plus $7\frac{1}{2}\%$ sales tax. What was the total amount Andrea paid for her computer?</p>	<p>4. BOOKS Nate went shopping at a bookstore. The price of the book he selected was \$14.95, but it had a sale sticker on it. When he paid for the book, he was charged \$12.71 before sales tax was added. What was the percent of discount to the nearest percent?</p>
<p>5. CELL PHONES Justin is buying a cell phone that has a regular price of \$149. The cell phone is on sale for 15% off the regular price. What will be the sale price?</p>	<p>6. MAGAZINES Ivan bought two magazines for \$4.95 each. If the sales tax was 6.75%, what was the total amount that he paid for the magazines?</p>
<p>7. MOVIES A video store is having a sale in which DVDs are on sale for 20% off. During this sale, what is the cost of three DVDs that regularly cost \$16.99?</p>	<p>8. MODELS The original price of a collectible model airplane is \$115. The discounted price is \$99. What is the percent of discount to the nearest percent?</p>