

Solve the following. SHOW ALL WORK!!!! Round to the nearest hundredth.

1) The Algebros eat out at their favorite restaurant, BIG EMMAS! The bill is \$68.78 and they give 18% in their tip. How much did they pay in total?

$$68.78 + .18(68.78)$$
$$68.78 + 12.38$$
$$\boxed{\$81.16}$$

2) Diana Prince is decorating her home. She buys a brand new couch at Ikea for \$600 that is 40% off. How much does she save on her purchase?

$$.40(600)$$
$$\boxed{\$240 \text{ saved}}$$

3) Mr. Sullivan buys hamburgers for \$0.50 at the store and plans to grill and sell them at the Softball tournament. He plans on marking them up 250%. How much will he be selling them for.

$$0.50 + 2.50(0.50)$$
$$.50 + 1.25$$
$$\boxed{\$1.75}$$

4) Richie Rich has \$1,000,000 invested in Tesla stock. After one year the stock grew 68%. How much is Richie Rich's stock now worth?

$$1,000,000 + .68(1,000,000)$$
$$1,000,000 + 680,000$$
$$\boxed{\$1,680,000}$$

5) A normal pizza has 1800 calories. Pizza Pizza Pizza makes a lite pizza with 30% less calories. How many calories is Pizza Pizza Pizza's lite pizza?

$$1800 - .30(1800)$$
$$1800 - 540$$
$$\boxed{1260 \text{ calories}}$$

6) Alfred tells Bruce Wayne that he needs to cut his Batman Budget by 18%. If Bruce Wayne had been spending \$4,000,000 a year on Batman, how much money did Batman cut from the budget?

$$4,000,000 (.18)$$
$$\boxed{\$720,000 \text{ cut}}$$

7) Mr. Kelly is a smart shopper. He went and bought a brand new car while he was on sale for 30%. The car originally costs \$28,500. How much money did he save?

$$.30(28,500)$$
$$\boxed{\$8550 \text{ saved}}$$

8) The Cleveland Cavaliers won 24 games last year. Their goal is to win 25% more games this year. How many games do they need to win this year for their goal to be true?

$$24 + .25(24)$$
$$24 + 6$$
$$\boxed{30 \text{ games}}$$

