

Show your work. Put your answers in the spaces provided.

1. A patient requires a 15% increase in the dosage of his medication. His current dosage is 340 mg. What will his dosage be after the increase?

Ans: _____

2. Gordon purchased a television when his local electronics store had a sale. The television was offered at 20% off its original price of \$472. What was the sale price that Gordon paid?

Ans: _____

3. Maria paid \$28.00 for a jacket that was discounted by 30%. What was the original price of the jacket?

Ans: _____

4. Rick renovated his home. He made his bedroom 40% larger (length and width) than its original size. If the original dimensions were 12 feet by 14 feet, what are the dimensions of his room now? Round to the nearest tenth of a foot.

Ans: _____ ft x _____ ft

5. Susan is extremely excited about starting her first job as a nurse. Her gross annual salary is \$40,000. Susan contributes 10% of her salary before taxes to a retirement account. Then she pays 37.5% of her remaining salary in state and federal taxes. Finally, she pays \$150 per month for health insurance. What is Susan's annual take-home pay?

Ans: _____

6. In order for a school to allow a vending machine to be placed next to the cafeteria, 65% of the school's population must ask for it. If 340 of the school's 640 students have requested the vending machines, how many more are needed to get the vending machines?

Ans: _____