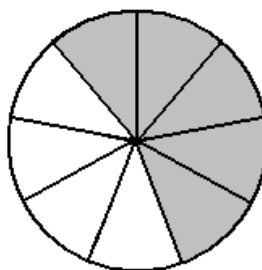


Answers

1. Compute $\frac{4}{9}$ of 63. **16**

2. Shade $\frac{5}{9}$ of the circle shown below.



3. Compute $\frac{5}{6}$ of 24. **20**

4. The price of a TV is \$ 400. We want to raise the price by 5%. What is the new price? **\$420**

5. The price of a couch is \$700. Next week, it will go on a 15% sale. What is the new price? (A 15% sale means that the price of the item is lowered by 15%.) **\$595**

6. Find $\frac{3}{4}$ of 56. **42**

7. We placed \$2000 into a bank account with 6% yearly interest rate. How much money do we have in the bank after one year? **\$2120**

8. This problem is about a method of comparing fractions.

(a) Compute $\frac{3}{7}$ of 420. **180**

(b) Compute $\frac{4}{10}$ of 420. **168**

(c) Based on the results of parts a) and b), which fraction is larger, $\frac{3}{7}$ or $\frac{4}{10}$? **$\frac{3}{7}$ is larger**

9. Bert has made \$54 000 last year. If he has to pay 32% of his income in taxes, how much taxes does he owe and how much of his income will he keep? **He must pay \$17 280 in taxes and will keep \$36 720.**

10. Sally used to make \$2400 per month, but now she got a 3% raise. How much is her monthly salary now? **\$2472**

11. Mr. X won \$600 000 in the lottery two yers ago. By now he has spent some of the money. When he was asked what happened, he said the following. *"I didn't spend it all. I spent $\frac{1}{3}$ of the money by taking a luxury yacht trip around the world. Then I put the rest in the bank. Later I decided to*

buy a house I really liked. So I took $\frac{3}{4}$ of the money out of the bank and bought the house. For half of what was left, I purchased stocks that completely lost their value. Finally, I gave $\frac{2}{5}$ of what's left to my niece for her college education."

How much money is left from the winnings? **\$30 000**