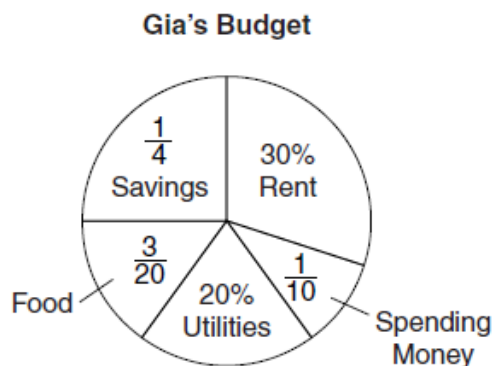


# Chapter Test

## Form C



- What percent of Gia's monthly income goes into savings?  
25%
- What fraction of her income is used to pay for utilities?  
 $\frac{1}{5}$
- What percent of her income is used to buy food?  
15%
- Write  $\frac{8}{25}$  as a percent.  
32%
- Write 6% as a fraction.  
 $\frac{3}{50}$
- What percent of 2950 is 531?  
18%
- What percent of 460 is 621?  
135%
- 51.45 is 35% of what number?  
147
- 23.5% of what number is 42.3?  
180

- Estimate 25% of 58.5.  
about 15
- Estimate 110% of 89.75.  
about 99
- Enrique has read 67.5% of a 354-page book. To the nearest page, how many pages has he read?  
239
- Sophia needs to earn at least 25% of her college tuition before her parents will help with the rest. Tuition for next year is \$3410. How much does Sophia need to earn?  
\$852.50
- An artist is designing a statue of a man standing next to a horse. The man will be 8.5 feet tall and the horse will be 130% the height of the man. How tall will the horse be?  
11.05 ft
- If 114 out of 355 students in the eighth grade play instruments, what percent of eighth grade students do not play instruments? Round your answer to the nearest percent.  
68%

**Chapter Test****Form C, continued**

Give answers to the nearest hundredth of a percent.

16. The number of children taking swimming lessons at the community pool last summer was 274. The number registered for lessons this summer is 292. What is the percent increase?

**6.57%**

17. A pair of Kelly's new pants shrunk in the wash. The inseam was 37.25 inches before they were washed and 36.375 inches after they were washed. What is the percent decrease in the length of the pants?

**2.35%**

18. During a sale, the price of a DVD was decreased by 50%. By what percent must the sale price be increased to restore the original price?

**200%**

19. The total area of the state of Florida is 58,560 square miles. The total land area of Florida is 54,252 square miles. Estimate what percent of Florida's total area is water.

**about 8%**

20. Janine is paid \$200 a week plus 12.5% commission on sales. What were her weekly sales if she earned \$950?

**\$6000**

21. Shaneece made \$42,500 last year. Isak made \$35,450 last year. If they are both taxed at 27.5% of the amount over \$27,050, how much more tax did Shaneece pay than Isak?

**\$1938.75**

22. 19.5% of Alisha's paycheck is withheld each week for taxes. If she earns \$568 per week, how much money is her check written for?

**\$457.24**

23. A credit union advertises that if you put \$3000 in a certificate of deposit, you can earn \$1800 in ten years. What yearly simple interest rate does the certificate of deposit offer?

**6%**

24. Salim borrowed \$12,375 for 4 years at an annual simple interest rate of 7.5%. If he makes one payment at the end of the loan, how much interest will he have to repay?

**\$3712.50**

25. Todd had to pay \$1147.50 of interest on a loan with an annual simple interest rate of 8.5% that he had for 5 years. Assuming he makes one payment at the end of the loan, what was the principal of the loan?

**\$2700**