Mid-Module 4 Test Review
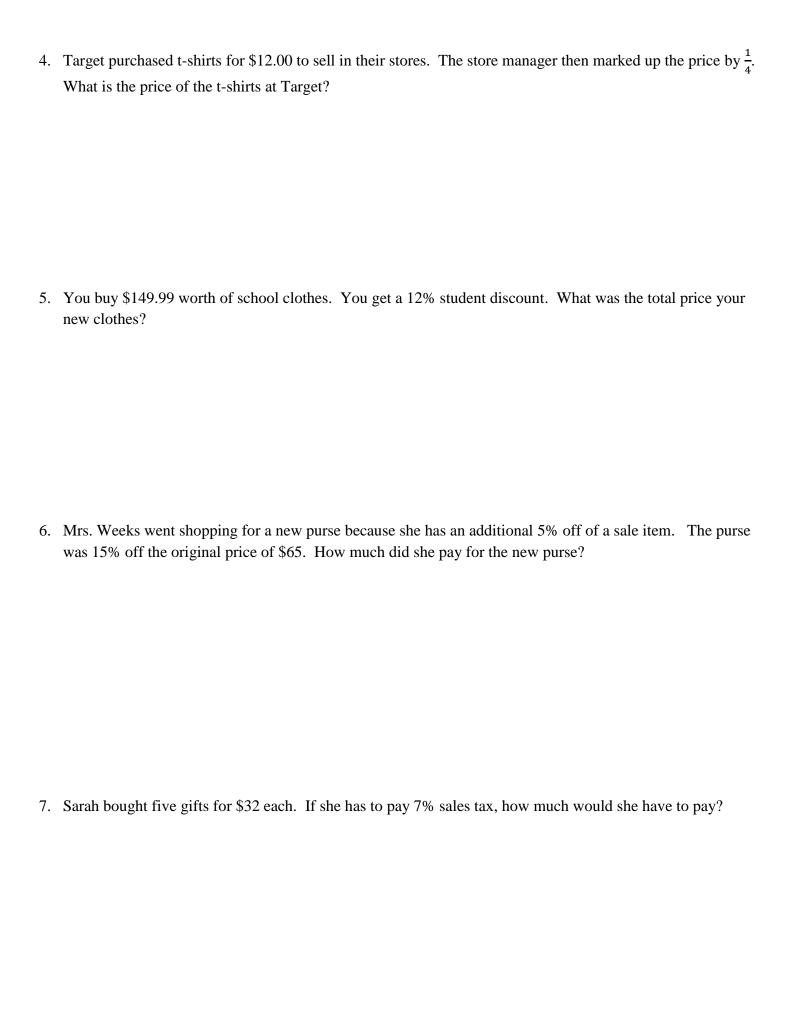
1. Maya spent 40% of her savings to pay for a bike that cost her $85. How much money was in her savings to begin with?

2. Ms. Wallace's current 12th grade class, 15 students weighed their school bags and found the class total to be 187.5 pounds. Last year, the weight of her class's school bags in a class of 15 students is 200 pounds. What was the percent decrease in the weight of the students' book bags?

3. Carl bought a television that had a regular price of $950. If the sales tax for this store is 9%, what was the total cost of Carl's television?

4. Target purchased t-shirts for $12.00 to sell in their stores. The store manager then marked up the price by $\frac{1}{4}$. What is the price of the t-shirts at Target?

5. You buy $149.99 worth of school clothes. You get a 12% student discount. What was the total price your new clothes?

6. Mrs. Weeks went shopping for a new purse because she has an additional 5% off of a sale item.   The purse was 15% off the original price of $65. How much did she pay for the new purse?

7. Sarah bought five gifts for $32 each. If she has to pay 7% sales tax, how much would she have to pay?

8. Taylor bought a Samsung Galaxy on sale for 35% off of the original price of $250. The total cost included 8.5% sales tax. What is the total cost?

9. Charley is selling a pair of shoes in his store for $82. He decides to put them on sale for 5% off. What is the sales price of the shoes?

10. Joey is going to buy a new car. There is a special going on where he can get the car for 2.5% off the sticker price. The sticker price is $55,600. How much does Joey pay for the car?

11. A large cheese pizza costs $18.49, and a medium pizza with everything on it costs $17.53. You and some friends decide to get 1 large cheese pizza and 3 medium everything pizzas. If the tax on each pizza is 5.75% and you decide to leave an 18% tip. What was the total bill including tax and tip?

12. Maddie bought a car that was on sale for 35% off the original price. The sale price was $25,000. Which equation(s) can be used to find the original asking price? Choose all that apply. (Hint: Write the equations based on the problem, and then choose the equations that can be used to find the price.)

$$a)\ 25{,}000 = .65c \qquad b)\ c - .65c = 25{,}000$$

$$c)\ 25{,}000 = .35c \qquad d)\ c - 0.35c = 25{,}000$$

13. Fill in the chart converting between fractions, decimals, and percents. Show work in the space provided.

Fraction	Decimal	Percent
$\dfrac{1}{4}$		
	1.125	
		$\dfrac{2}{5}\%$

14. 63 is 35% of what number?

17. What percent of 12 is 3?

15. What is 80% of 24?

18. 49 is what percent of 7?

16. Three is what percent of fifteen?

19. Find $8\frac{1}{2}\%$ of 9,000.