

Math 7 Part B Practice Test: Percents

Name _____

Date _____

Definitions (1 – 3) Write a definition for each of the following.

- 1. Percent**

- 2. Percent of Change**

- 3. Interest**

- 4. Write the Percent Proportion.**

- 5. Write the simple interest formula.**

- 6. Write equivalent expressions to complete the table below.**

	Simple Fraction	Decimal	Percent
A.			45%
B.	$\frac{19}{50}$		
C.		$.16\frac{2}{3}$	
D.			288%
E.	$\frac{3}{8}$		
F.		.007	
G.			$\frac{1}{2}\%$

Math 7 Part B Practice Test: Percents

7. Order the numbers from least to greatest.

$$0.4, \quad \frac{9}{25}, \quad 38\%, \quad 0.374, \quad \frac{3}{8}$$

8. Draw a model to solve what percent of 18 is 6?

9. What is 75% of 96? 10. $12\frac{1}{2}\%$ of what is 10?

11. At the Coast Company, 16 of the 25 employees had perfect attendance records. What percent of the employees had perfect attendance records? Show your work.

12. Amy earned an 85% on her math test. She got 3 questions wrong. How many questions were on the test? Explain your thinking.

13. Mr. Boone borrowed \$4,500 for a car. He agreed to pay back the loan at 7.5% simple interest in 1 year and 6 months. How much interest must he pay? Show your work.

14. Zack bought a pair of jeans for \$45.00 and 2 shirts at \$26.00 each. The rate of sales tax is 8.1%. How much tax must he pay on his purchase? Show your work.

Math 7 Part B Practice Test: Percents

15. Mr. Jones opens a bank account with \$10,000. The account earns 4% simple interest per year. Mr. Jones does not make any additional deposits or withdraw any money from the account for 2 years. What is the total amount of money in the account after 2 years?
- A \$10,400
B \$10,040
C \$10,800
D \$14,000
16. Managing a shoe store, Pablo earns a commission of 7% on sales plus he earns a \$20,000.00 salary. If his sales total \$852,500.00, what would be his total pay for the year?
17. Beth, Mary and Felix took turns driving from Parkside to Anderson. First, Beth drove 40% of the distance, then Mary drove $\frac{3}{5}$ of the remaining distance. Felix then drove the final 108 miles. What is the total distance from Parkside to Anderson?
- A 162 miles
B 216 miles
C 252 miles
D 450 miles
18. Happy Trails Ski Lodge charges \$120.00 a day for a complete ski package. The lodge is offering a 60% discount to children under 12 years of age. What is the sale price of the package for a child under 12 years of age?
19. A pair of jeans was marked down 30% and sold for \$31.50. What was the original cost of the jeans? Show your work.

Long-Term Memory Review

20. Simplify. A. $6.3 \overline{)89.46}$ B. $7\frac{1}{5} \cdot 3\frac{1}{3} =$ C. $\frac{-12+45}{-7+-4} =$

Math 7 Part B Practice Test: Percents

21. Simplify. $\frac{10 \cdot 2^3 - 15 \div 3}{5^2} =$

22. Saralyn needs $5\frac{1}{2}$ cups of sugar to bake cookies for her restaurant. She only has $3\frac{3}{4}$ cups. How much more sugar does she need?