

Exam

Name \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Write the percent as a decimal.

- |         |          |          |          |         |          |
|---------|----------|----------|----------|---------|----------|
| 1) 57%  | A) 5.7   | B) 0.57  | C) 0.057 | D) 57.0 | 1) _____ |
| 2) 400% | A) 400   | B) 40    | C) 4     | D) 0.4  | 2) _____ |
| 3) 0.4% | A) 0.005 | B) 0.004 | C) 0.4   | D) 0.04 | 3) _____ |

Write the decimal as a percent.

- |          |           |           |            |          |          |
|----------|-----------|-----------|------------|----------|----------|
| 4) 0.039 | A) 0.39%  | B) 0.039% | C) 39%     | D) 3.9%  | 4) _____ |
| 5) 2.6   | A) 26%    | B) 260%   | C) 0.0026% | D) 0.26% | 5) _____ |
| 6) 0.43  | A) 0.043% | B) 43%    | C) 4.3%    | D) 430%  | 6) _____ |

Write the percent as a fraction or mixed number in simplest form.

- |           |                   |                    |                     |                    |          |
|-----------|-------------------|--------------------|---------------------|--------------------|----------|
| 7) 260%   | A) $5\frac{1}{5}$ | B) $\frac{5}{26}$  | C) $2\frac{3}{5}$   | D) $1\frac{3}{10}$ | 7) _____ |
| 8) 31.25% | A) $\frac{5}{16}$ | B) $31\frac{1}{4}$ | C) $31\frac{5}{16}$ | D) $\frac{5}{17}$  | 8) _____ |
| 9) 0.4%   | A) $\frac{1}{25}$ | B) $\frac{1}{500}$ | C) $\frac{1}{125}$  | D) $\frac{1}{250}$ | 9) _____ |

Write the fraction or mixed number as a percent.

- |                     |         |           |        |           |           |
|---------------------|---------|-----------|--------|-----------|-----------|
| 10) $\frac{17}{50}$ | A) 3.4% | B) 17%    | C) 34% | D) 1000%  | 10) _____ |
| 11) $\frac{3}{16}$  | A) 18%  | B) 24.75% | C) 24% | D) 18.75% | 11) _____ |

- 12)  $3\frac{3}{5}$  12) \_\_\_\_\_  
 A) 3.6% B) 360% C) 0.36% D) 36%

Solve.

- 13) In a particular city,  $\frac{1}{100}$  of the residents subscribe to the local newspaper. Write this fraction as a percent. 13) \_\_\_\_\_  
 A) 1% B) 0.01% C) 0.1% D) 0.001%
- 14) In small firms in a certain country, 25% of full-time employees receive medical insurance benefits. Write 25% as a fraction. 14) \_\_\_\_\_  
 A)  $\frac{1}{8}$  B)  $\frac{1}{2}$  C)  $2\frac{1}{2}$  D)  $\frac{1}{4}$
- 15) What number is 93% of 90? 15) \_\_\_\_\_  
 A) 83,700 B) 8370 C) 83.7 D) 837
- 16) 0.3% of what number is 4.8? 16) \_\_\_\_\_  
 A) 800 B) 3200 C) 1600 D) 960
- 17) 272 is what percent of 680? 17) \_\_\_\_\_  
 A) 40% B) 45% C) 80% D) 30%

Solve. If necessary, round percents to the nearest tenth, dollar amounts to the nearest cent, and all other numbers to the nearest whole.

- 18) 60% of the doctors in a hospital are male. If there are 180 doctors altogether, how many doctors are male? 18) \_\_\_\_\_  
 A) 300 doctors B) 33 doctors C) 108 doctors D) 72 doctors
- 19) In an office building, 22 offices are currently being unrented. This represents 1% of the total units. How many offices are there in the building? 19) \_\_\_\_\_  
 A) 22 offices B) 220 offices C) 2200 offices D) 22,000 offices
- 20) A television sells for \$895. If the sales tax rate is 9.1%, what is the total price? 20) \_\_\_\_\_  
 A) \$814.45 B) \$1709.45 C) \$81.44 D) \$976.45
- 21) A company increased the number of its employees from 500 to 535. What was the percent increase in employees? 21) \_\_\_\_\_  
 A) 7% B) 51.7% C) 93.5% D) 6.5%
- 22) A \$250.00 dress is on sale for 35% off. Find the discount and the sale price. 22) \_\_\_\_\_  
 A) Discount: \$87.50; sale price: \$2412.50 B) Discount: \$87.50; sale price: \$162.50  
 C) Discount: \$8.75; sale price: \$162.50 D) Discount: \$8.75; sale price: \$2412.50
- 23) A sales representative is paid a commission rate of 2.8%. Find her commission if she sold \$129,200 worth of goods last month. 23) \_\_\_\_\_  
 A) \$4614.29 B) \$132,817.60 C) \$46,142.86 D) \$3617.60

- 24) A sales tax of \$15.59 is added to an item's price of \$599.99. Find the sales tax rate. Round to the nearest whole percent. 24) \_\_\_\_\_  
A) 38% B) 3% C) 19% D) 5%
- 25) Find the simple interest earned on \$2300 saved for  $4\frac{1}{4}$  years at an interest rate of 3%. 25) \_\_\_\_\_  
A) \$690.00 B) \$2932.50 C) \$293.25 D) \$69.00
- 26) \$750 is compounded annually at 3%. Find the total amount in the account after 19 years. 26) \_\_\_\_\_  
A) \$1155.00 B) \$1276.82 C) \$1177.50 D) \$1315.13
- 27) An entrepreneur borrowed \$4000 from a bank at 5% for 9 months to get a project off the ground. Find the total amount due the bank the end of the 9-month period. 27) \_\_\_\_\_  
A) \$4150.00 B) \$5800.00 C) \$5500.00 D) \$150.00
- 28) In the past ten years, the population of a city decreased from 195,000 to 185,000. Find the percent decrease. 28) \_\_\_\_\_  
A) 5.1% B) 5.4% C) 1850% D) 94.9%

## Answer Key

Testname: UNTITLED1

- 1) B
- 2) C
- 3) B
- 4) D
- 5) B
- 6) B
- 7) C
- 8) A
- 9) D
- 10) C
- 11) D
- 12) B
- 13) A
- 14) D
- 15) C
- 16) C
- 17) A
- 18) C
- 19) C
- 20) D
- 21) A
- 22) B
- 23) D
- 24) B
- 25) C
- 26) D
- 27) A
- 28) A