

# Percent Change (7NS 1.6):

## Percent Decrease

Name \_\_\_\_\_

Class \_\_\_\_\_ Date \_\_\_\_\_

Score \_\_\_\_\_

The price of a calculator has decreased from **\$12.00** to **\$9.00**.

What is the *percent decrease*?

- 1** Find the *difference* between the original and new values:

New value - original value  
 $\$9.00 - \$12.00 = \$-3.00$

Difference =  $\$-3.00$

- 2** Divide the difference you calculated in **step 1** by the original value .

$$\frac{-3}{12} \longrightarrow -0.25$$

- 3** Convert the decimal in **step 1** into a percent by moving the decimal place to the *right* two places and adding a percentage sign.

$-0.25$   
 $\longrightarrow -25\% \longrightarrow 25\% \text{ decrease}$

A *negative* percent indicates a percent *decrease*.

- 1) Convert the 0.10 into percentage form.**

- A. 1%
- B. 10%
- C. 100%
- D. 0.1%

- 2) Convert the 0.82 into percentage form.**

- A. 8.2%
- B. 82%
- C. 820%
- D. 0.82%

- 3) Convert the 0.521 into percentage form.**

- A. 52.1%
- B. 5.21%
- C. 521%
- D. 0.521%

- 4) Convert the 1.56 into percentage form.**

- A. 1.56%
- B. 156%
- C. 15.6%
- D. 0.156%

- 5) Convert the 10.94 into percentage form.**

- A. 109.4%
- B. 0.1094%
- C. 10.94%
- D. 1,094%

- 6) A music store decreases the cost of a guitar from \$75 to \$67. What is the difference in cost?**

- A. \$8.00
- B. \$7.00
- C. \$6.00
- D. \$5.00

## Percent Change (7NS 1.6 ):

### Percent Decrease

---

- 7) A suit store holds a clearance sale and decreases its overstocked suits from \$321.46 to \$299.99. What is the difference in cost?
- A. \$21.46  
B. \$78.53  
C. \$21.47  
D. \$22.47
- 8) 8. Prices for one month of internet usage decrease from \$40.99 to \$28.75. What is the difference in cost?
- A. \$12.22  
B. \$12.23  
C. \$12.24  
D. \$12.25
- 9) 9. A popular vacuum cleaner decreases in price from \$320 to \$240. What is the percent price decrease?
- A. 20%  
B. 25%  
C. 33%  
D. 30%
- 10) 10. A doctor decreases the amount of a co-pay for a physical from \$15 to \$10 . What is the percent price decrease?
- A. 5%  
B. 25%  
C. 33%  
D. 50%
- 11) Jonathan's monthly budget is \$2,000. After completing all payments on his car, his budget is \$1,700 per month. What is the percent price decrease?
- A. 15%  
B. 18%  
C. 25%  
D. 30%
- 12) During a going out of business sale, a music store slashes CD prices from \$12 to \$4. What is the percent price decrease?
- A. 8%  
B. 33%  
C. 67%  
D. 200%
- 13) The price of a name-brand soda is temporarily decreased from \$4.80 for 12 cans to \$3.60 for 12 cans. What is the percent price decrease per can?
- A. 25%  
B. 33%  
C. 35%  
D. 40%
- 14) A furniture store decreases the cost of a \$500 bed by  $x$  %. If the new cost of the table is \$450, what is  $x$ ?
- A. 50  
B. 11  
C. 10  
D. 5
-