

## Exercises - Percent of Change

1

Which of the following is equivalent to 0.03 % of 4?

- A) 0.12
- B) 0.012
- C) 0.0012
- D) 0.00012

2

$$\frac{1}{400} =$$

- A) 0.25%
- B) 0.025%
- C) 0.0025%
- D) 0.00025%

3

The quantities  $x$  and  $y$  are positive. If  $x$  is decreased by 20 percent and  $y$  is increased by 20 percent, then the product of  $x$  and  $y$  is

- A) unchanged
- B) decreased by 4%
- C) increased by 5%
- D) decreased by 6%

4

By what percent is  $4.5 \times 10^5$  greater than  $9 \times 10^4$ ?

- A) 200%
- B) 400%
- C) 500%
- D) 600%

5

The temperature increased from  $60^\circ\text{F}$  to  $72^\circ\text{F}$ . What is the percent increase in temperature?

- A) 15%
- B)  $\frac{50}{3}\%$
- C) 20%
- D)  $\frac{70}{3}\%$

6

This year's enrollment in Mesa School District is 6,000, which is 20 percent higher than last year's. What was last year's enrollment in Mesa School District?

7

If 125% of  $x$  is 80 and  $x$  is  $n\%$  of 400, what is the value of  $n$ ?