



Place Value & Powers of 10

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. Which expression equals 450,000?

- A) 45×10^2
- B) 45×10^3
- C) 4.5×10^5
- D) 4.5×10^4

2. The digit 3 in which number has a value 10 times the value of the 3 in 43,600?

- A) 530,000
- B) 304,200
- C) 93,150
- D) 73,610

3. What is $(6 \times 10^5) + (9 \times 10^3) + (2 \times 10^1)$ in standard form?

- A) 690,020
- B) 609,020
- C) 600,920
- D) 609,200

4. If you multiply 0.037 by 10^4 , what do you get?

- A) 37
- B) 370
- C) 3,700
- D) 37,000

Part B: Fill in the Blank

Write the correct answer on each line.

1. In 7,264,500 the value of the 2 is _____ times the value of the 2 in 328.

2. $5.08 \times 10^3 =$ _____ .

3. $840,000 \div 10^2 =$ _____ .

4. Write 70,000 as a single digit times a power of 10: _____ $\times 10^4$.

5. A number has the digit 4 in the hundred-thousands place. Its value is 4×10 to the power of _____ .

Part A: Multiple Choice

Circle the best answer for each question.

1. Which expression equals 450,000?

- A) 45×10^2
- B) 45×10^3
- C) 4.5×10^5
- D) 4.5×10^4

2. The digit 3 in which number has a value 10 times the value of the 3 in 43,600?

- A) 530,000
- B) 304,200
- C) 93,150
- D) 73,610

3. What is $(6 \times 10^5) + (9 \times 10^3) + (2 \times 10^1)$ in standard form?

- A) 690,020
- B) 609,020
- C) 600,920
- D) 609,200

4. If you multiply 0.037 by 10^4 , what do you get?

- A) 37
- B) 370
- C) 3,700
- D) 37,000

Part B: Fill in the Blank

Write the correct answer on each line.

1. In 7,264,500 the value of the 2 is 10,000 times the value of the 2 in 328.
2. $5.08 \times 10^3 =$ 5,080 .
3. $840,000 \div 10^2 =$ 8,400 .
4. Write 70,000 as a single digit times a power of 10: 7 $\times 10^4$.
5. A number has the digit 4 in the hundred-thousands place. Its value is 4×10 to the power of 5 .