



Place Value & Powers of 10

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. Which number equals 3.07×10^3 ?

- A) 307
- B) 3,070
- C) 30,700
- D) 3,007

2. In the numbers 640 and 640,000, how many times greater is the value of the 6 in 640,000 than in 640?

- A) 10 times
- B) 100 times
- C) 1,000 times
- D) 10,000 times

3. What is $(4 \times 10^4) + (8 \times 10^2) + (5 \times 10^0)$ in standard form?

- A) 40,805
- B) 4,850
- C) 48,005
- D) 40,850

4. Which expression is equal to $7,200,000 \div 10^3$?

- A) 72
- B) 720
- C) 7,200
- D) 72,000

Part B: Fill in the Blank

Write the correct answer on each line.

1. The digit 5 in 3,500 has a value _____ times the value of the 5 in 35.

2. $0.062 \times 10^4 =$ _____ .

3. Write 900,000 as a single digit times a power of 10: _____ $\times 10^5$.

4. $(2 \times 10^6) + (7 \times 10^3) + (1 \times 10^1) =$ _____ .

5. $4,510,000 \div 10^5 =$ _____ .

Part A: Multiple Choice

Circle the best answer for each question.

1. Which number equals 3.07×10^3 ?

- A) 307
- B) 3,070
- C) 30,700
- D) 3,007

2. In the numbers 640 and 640,000, how many times greater is the value of the 6 in 640,000 than in 640?

- A) 10 times
- B) 100 times
- C) 1,000 times
- D) 10,000 times

3. What is $(4 \times 10^4) + (8 \times 10^2) + (5 \times 10^0)$ in standard form?

- A) 40,805
- B) 4,850
- C) 48,005
- D) 40,850

4. Which expression is equal to $7,200,000 \div 10^3$?

- A) 72
- B) 720
- C) 7,200
- D) 72,000

Part B: Fill in the Blank

Write the correct answer on each line.

1. The digit 5 in 3,500 has a value 100 times the value of the 5 in 35.
2. $0.062 \times 10^4 =$ 620 .
3. Write 900,000 as a single digit times a power of 10: 9 $\times 10^5$.
4. $(2 \times 10^6) + (7 \times 10^3) + (1 \times 10^1) =$ 2,007,010 .
5. $4,510,000 \div 10^5 =$ 45.1 .