



Place Value & Powers of 10

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. A city has about 2×10^6 people. A town has about 2×10^4 people. The city is how many times larger?

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

2. A factory produces 8,500 items per day. How many items does it produce in 10^3 days?

- A) 85,000
- B) 850,000
- C) 8,500,000
- D) 85,000,000

3. Earth is about 150,000,000 km from the Sun. Which expression shows this distance?

- A) 15×10^6
- B) 1.5×10^8
- C) 15×10^8
- D) 1.5×10^7

4. A school raised \$4,200. Another school raised 10^2 times as much. How much did the second school raise?

- A) \$42,000
- B) \$420,000
- C) \$4,200,000
- D) \$42

Part B: Fill in the Blank

Write the correct answer on each line.

1. A stadium holds 65,000 people. Write as a product: _____ $\times 10^3$.

2. A library has 3×10^5 books. That is _____ books.

3. A state is about 400,000 meters wide. In kilometers ($\div 1,000$) that is _____ km.

4. A website had 9,100,000 visitors. The 9 in this number has a value of _____ million.

5. If you divide 5,600,000 by 10^4 , you get _____.

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- C) \$4,200,000
- D) \$42

Part B: Fill in the Blank

Write the correct answer on each line.

1. A stadium holds 65,000 people. Write as a product: 65 $\times 10^3$.
2. A library has 3×10^5 books. That is 300,000 books.
3. A state is about 400,000 meters wide. In kilometers ($\div 1,000$) that is 400 km.
4. A website had 9,100,000 visitors. The 9 in this number has a value of 9 million.
5. If you divide 5,600,000 by 10^4 , you get 560.