

# Grade 7 Math Test 1

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**Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Instructions:** Read each question carefully and show your work where needed.

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## Section A: Write the Number in Words

1. Write the following numbers in words:

- 847,256: \_\_\_\_\_
  - 3,405,729: \_\_\_\_\_
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## Section B: Convert Words into Numbers

2. Write the following in numbers:

- Four hundred and sixty-seven thousand, eight hundred and three: \_\_\_\_\_
  - One million, two hundred thousand and seven: \_\_\_\_\_
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## Section C: Expanded Form and Index Form

3. Write the following numbers in expanded form:

- 67,349 = \_\_\_\_\_

4. Write the following numbers in index form (using powers of 10):

- 45,654 = \_\_\_\_\_

5. Write the following in standard form:

- $4 \times 10^5 + 6 \times 10^3 + 2 \times 10^2 + 7 \times 10^1 + 3 =$  \_\_\_\_\_
  - $8 \times 10^6 + 5 \times 10^4 + 9 \times 10^2 + 1 =$  \_\_\_\_\_
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## Section D: HCF and LCM

6. Find the HCF (Highest Common Factor) of the following pairs:

a) HCF of 24 and 36

Work:

Answer: \_\_\_\_\_

b) HCF of 45 and 75

Work:

Answer: \_\_\_\_\_

**7.** Find the LCM (Least Common Multiple) of the following pairs:

a) LCM of 12 and 18

Work:

Answer: \_\_\_\_\_

b) LCM of 15 and 25

Work:

Answer: \_\_\_\_\_

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## Section E: Exponents and Square Roots

**8.** Calculate the following:

- $2^6 =$  \_\_\_\_\_

- $5^3 =$  \_\_\_\_\_

**9.** Find the square roots:

- $\sqrt{64} =$  \_\_\_\_\_

- $\sqrt{225} =$  \_\_\_\_\_

**10.** Solve the following:

- $2^3 \times 2^2 =$  \_\_\_\_\_

- $5^4 \div 5^2 =$  \_\_\_\_\_

- $(3^2)^3 =$  \_\_\_\_\_

**11.** Word problem:

A square garden has an area of 144 square meters. What is the length of each side of the garden?

Answer: \_\_\_\_\_

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