

Math Test — January 10, 2026

Name: _____

Score: _____ / _____

A) Addition & Subtraction

1) Add:

$$\begin{array}{r} 2578 \\ 35407 \\ 2888 \\ + 81030 \\ \hline \end{array}$$

2) Subtract:

$$\begin{array}{r} 871 \\ - 755 \\ \hline \end{array}$$

B) Long Multiplication

3) Multiply:

$$\begin{array}{r} 2913 \\ \times 95 \\ \hline \\ \hline \end{array}$$

4) Multiply:

$$\begin{array}{r} 1471 \\ \times 99 \\ \hline \\ \hline \end{array}$$

C) Division & Fractions

5) $1464 \div 24 =$ _____

6) $639 \div 9 =$ _____

7) $50/55$ (simplify) = _____

8) $80/72$ (simplify) = _____

9) Add the fractions (show your work):

a) $2/3 + 3/4 =$ _____

b) $6/8 + 1/3 =$ _____

10) Mixed decimal & fraction:

$0.4 + 0.001 - 1/2 =$ _____

D) Prime Factorization

11) Write each number as a product of prime factors:

a) $210 =$ _____

b) $300 =$ _____

c) $120 =$ _____

Math Test — January 10, 2026 (Page 2)

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A) Mixed Fractions and Improper Fractions

1) Convert mixed numbers to improper fractions:

a) $2 \frac{3}{8} = \underline{\hspace{2cm}} / \underline{\hspace{2cm}}$

b) $2 \frac{6}{10} = \underline{\hspace{2cm}} / \underline{\hspace{2cm}}$

c) $8 \frac{9}{10} = \underline{\hspace{2cm}} / \underline{\hspace{2cm}}$

d) $9 \frac{1}{5} = \underline{\hspace{2cm}} / \underline{\hspace{2cm}}$

e) $9 \frac{1}{3} = \underline{\hspace{2cm}} / \underline{\hspace{2cm}}$

2) Convert improper fractions to mixed numbers:

a) $15/4 = \underline{\hspace{1cm}} \underline{\hspace{1cm}} / \underline{\hspace{1cm}}$

b) $3/2 = \underline{\hspace{1cm}} \underline{\hspace{1cm}} / \underline{\hspace{1cm}}$

c) $19/2 = \underline{\hspace{1cm}} \underline{\hspace{1cm}} / \underline{\hspace{1cm}}$

d) $14/6 = \underline{\hspace{1cm}} \underline{\hspace{1cm}} / \underline{\hspace{1cm}}$

e) $44/6 = \underline{\hspace{1cm}} \underline{\hspace{1cm}} / \underline{\hspace{1cm}}$

B) HCF (GCD) and LCM

3) For each pair, find BOTH HCF and LCM:

a) 84 and 60 HCF: LCM:

b) 171 and 99 HCF: LCM:

c) 26 and 18 HCF: LCM:

d) 24 and 44 HCF: LCM:

C) Area

4) Find the area of each shape (show your work):