

Answer all questions. No books, notes, or any electronic devices are allowed. Write down all necessary steps. Do it by yourself.

1.  $0.001 \times 0.537 =$

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2.  $\frac{3.98}{10,000} =$

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3.  $3.58 \div 10,000 \div 0.001 =$

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4.  $91.7 \times 1.2 =$

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5. Calculate.  $4.38 \div 0.03 =$

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6. Is 3 a factor of 8,371?

Yes/No.

7. Is 7 a factor of 5,689?

Yes/No.

8. Determine if 159 is a prime. If it is a composite, factor into primes.

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9. Divide.  $1,057 \div 14$  Write the answer as a mixed number.

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10. Convert  $5\frac{6}{7}$  into an improper fraction.

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11. Divide.  $3\frac{2}{7} \div 4\frac{1}{14}$  Write your answer as an improper fraction when appropriate.

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12. Calculate.  $4\frac{3}{4} + 2\frac{1}{2} - 3\frac{1}{4}$  Write your answer as a mixed number when appropriate.

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13. Round 5,699.749 to the nearest hundredth.

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14. Verify the proportion.  $7 : 8 \stackrel{?}{=} 24 : 81$

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15. Solve for the unknown. Leave your answer as a mixed number when appropriate.  
 $30 : 45 = 15 : x$

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16. Solve for the unknown. Leave your answer as a mixed number when appropriate.  
 $13 : 34 = x : 5$

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