

MAT 100: ELEMENTARY ALGEBRA

Fall 2026

WARM-UP

Section 1.5: Visualize Fractions

SEC 1.1 [NUM.FA] 1. Find the prime factorization of the following number. 132	SEC 1.2 [WRD.EX] 2. Translate the following phrase into an algebraic expression. the difference of 14 and 9	SEC 1.3 [NUM.AS] 3. Evaluate the absolute value of the expression. 22
SEC 1.4 [NUM.MD] 4. Multiply. $-4 \cdot 8$	SEC 1.1 [NUM.FA] 5. Determine whether the following number is divisible by 2, 3, 5, 6, and 10. Indicate Yes or No for each. 550	SEC 1.2 [EXP.CL] 6. Simplify the following expression by combining like terms. $6y + 4y + y$
SEC 1.3 [NUM.AS] 7. Simplify each expression. $6 \cdot 3 - 4 \cdot 3 - 7 \cdot 2$	SEC 1.4 [NUM.AS, NUM.MD] 8. Simplify the following expression. $(8 - 11)(9 - 12)$	SEC 1.1 [NUM.FA] 9. Determine whether the following number is divisible by 2, 3, 5, 6, and 10. Indicate Yes or No for each. 942