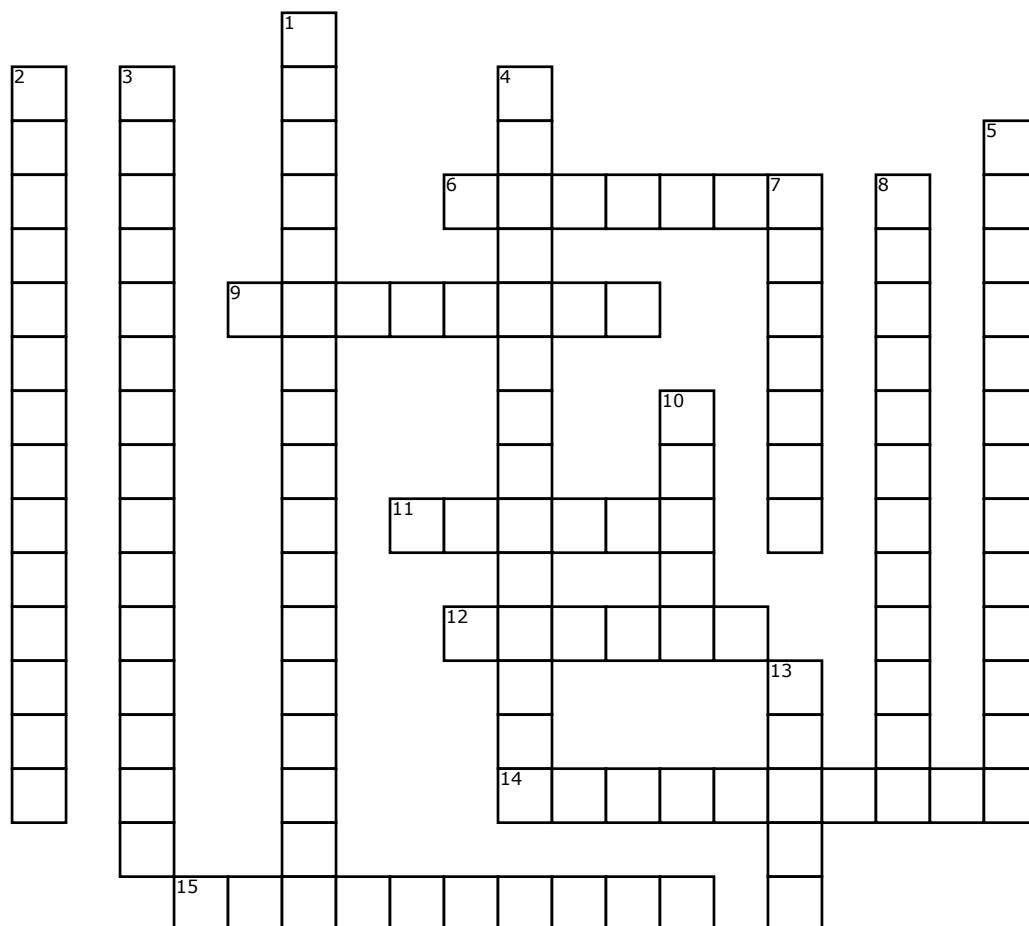


Graphing Quadratic Functions



Across

- 6.** Lowest point of a parabola
9. a plane curve formed by the intersection of a right circular cone
11. The set of values of the independent variable(s) for which a function or relation is defined. The x values of the function.
12. The highest or lowest point of the parabola
14. When the graph crosses the y-axis
15. When the graph crosses the x-axis

Down

- 1.** a function that can be written in the form $f(x)=ax^2+bx+c$, where a, b & c are real numbers
2. Is the simplest function of a quadratics
3. are inside changes that affect the input (x-) axis values and shift the function left or right.
4. A line of symmetry for a graph. The two sides of a graph on either side of the axis of symmetry look like mirror images of each other.

- 5.** are outside changes that affect the output (y-) axis values and shift the function up or down.
7. Highest point of a parabola
8. The highest point over the entire function.
10. Is the set of possible output values, which are shown on the y-axis
13. the solution to a quadratic equation

Word Bank

x-intercept	Axis of Symmetry	horizontal shift	Parabola
domain	maximum value	Parent function	Zeros
Vertical Shift	y-intercept	QuadraticFunction	Maximum
vertex	minimum	Range	