$$
\begin{aligned}
x = 1, &\quad f(1) = 15(1) - (1)^2 &&= 15 - 1 = 14 \\
x = 2, &\quad f(2) = 15(2) - (2)^2 &&= 30 - 4 = 26 \\
x = 3, &\quad f(3) = 15(3) - (3)^2 &&= 45 - 9 = 36 \\
x = 4, &\quad f(4) = 15(4) - (4)^2 &&= 60 - 16 = 44 \\
x = 5, &\quad f(5) = 15(5) - (5)^2 &&= 75 - 25 = 50 \\
x = 6, &\quad f(6) = 15(6) - (6)^2 &&= 90 - 36 = 54 \\
x = 7, &\quad f(7) = 15(7) - (7)^2 &&= 105 - 49 = 56 \\
x = 8, &\quad f(8) = 15(8) - (8)^2 &&= 120 - 64 = 56 \\
x = 9, &\quad f(9) = 15(9) - (9)^2 &&= 135 - 81 = 54 \\
x = 10, &\quad f(10) = 15(10) - (10)^2 &&= 150 - 100 = 50 \\
x = 11, &\quad f(11) = 15(11) - (11)^2 &&= 165 - 121 = 44 \\
x = 12, &\quad f(12) = 15(12) - (12)^2 &&= 180 - 144 = 36 \\
x = 13, &\quad f(13) = 15(13) - (13)^2 &&= 195 - 169 = 26 \\
x = 14, &\quad f(14) = 15(14) - (14)^2 &&= 210 - 196 = 14 \\
x = 15, &\quad f(15) = 15(15) - (15)^2 &&= 225 - 225 = 0
\end{aligned}
$$

So, the maximum value of the function occurs when x=7x = 7x=7, and the maximum value is f(7)=56f(7) = 56f(7)=56.