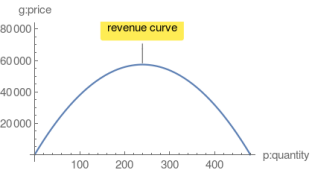


1.

1. (1) Basis for the Revenue model is a simple multiplication:

$$\text{Revenue} = \text{Price} \times \text{Quantity} = (-1p + 479) \times p = 479p - p^2$$

Notice the latter is a quadratic:



(2) Domain starts at 0 RussianRubles revenue up to p-intercept coordinate equal to twice the value of vertex of the Parabola:
479

(4) The maximum occurs at the vertex p-intercept coordinate:

$$\frac{479}{2}$$

or the amount 57360.3 RussianRubles .