```
Revenue = Price×Quantity = (-\frac{1}{10}n+262) \times n = 262 n - \frac{n^2}{10}
Notice the latter is a quadratic:
250 000
200 000
150 000
```

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

(2) Domain starts at 0 USDollars revenue up to n-intercept coordinate equal to twice the value of vertex of the Parabola: 2620 (4) The maximum occurs at the vertex n-intercept coordinate:

100000 50000

1310

or the amount 171610. USDollars .