```
Revenue = Price×Quantity = (-\frac{5}{2}w+482) \times w = 482 w - \frac{5w^2}{2}
Notice the latter is a quadratic:
               revenue curve
30 000
25 000
20 000
```

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

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

or the amount 23232.4 RussianRubles .

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