

## Answer on Question #62494 – Math – Algebra

### Question

1.  $f(t) = 33,600 - 1500t$  describes its altitude  $t$  minutes after starting its descent. What is the airplane's altitude after 10 minutes?

### Solution

To find out altitude of the airplane on the time, we have to substitute the given time  $t=10$  into the given equation  $f(t) = 33,600 - 1500t$ .

Thus, we have

$$f(10) = 33,600 - 1500 \cdot 10 = 33,600 - 15,000 = 18,600.$$

**Answer:** The airplane's altitude after 10 minutes is 18,600.