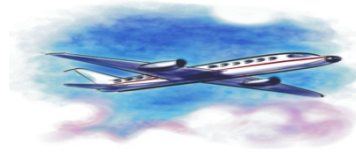


## ILLUSTRATION



W - 800

0

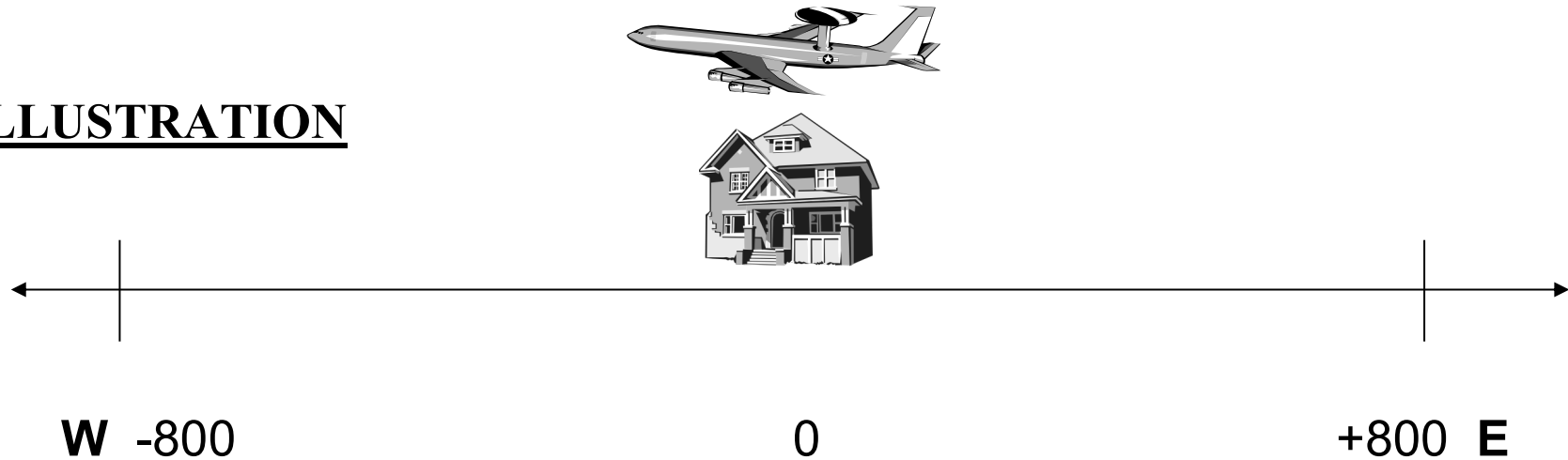
+800 E

The plane is directly over your house heading east at 400 mph. Where was it 2 hours ago? Going east at 400 mph is written as +400, we are using past time, so that's -2. He'd be 800 miles west.

Translating English to math we have; 400 mph east x 2 hrs past = 800 miles west

$$(+400) \times (-2) = -800$$

## ILLUSTRATION



The plane is heading west at 400 mph, where will it be in 2 hours if it is directly over your head now?

He'd be 800 miles west.

Translating English to math we have

$$\begin{array}{rcll} 400 \text{ mph west} & \times & 2 \text{ hours future} & = 800 \text{ miles west} \\ (-400) & & \times (+2) & = -800 \end{array}$$