

MATH ACTIVITY
ANSWER KEY

Calculating An Airplane's Speed

- (1) San Francisco to Chicago = approximately 2,200 miles.
- (2) $640 \text{ mph groundspeed} - 20 \text{ mph tailwind} = 620 \text{ miles per hour.}$
- (3) $2,200 \text{ miles} \div 620 \text{ mph} = 3.5 \text{ hours in the air.}$
- (4) $10:00 \text{ a.m. Pacific Standard Time (PST)} + 3.5 \text{ hours air time} = 1:30 \text{ p.m. PST} + 2 \text{ hours difference between time zones} = 3:30 \text{ p.m. Central Standard Time (CST).}$
- (5) Its arrival time would be later.