

## **Variables and Equations Word Problems**

**Directions:** Find the missing value.

1. An athlete ran 30 miles last week over a total of d days. The athlete always runs 5 miles on each run. Find d, the number of days the athlete ran last week.

2. The track field has stands that hold 210 people. After x people sit down, there are 120 seats left. Find x.

3. This year, there are n runners on the track team. Each runner gets 2 uniforms. If 32 uniforms were handed out, find n.



## **ANSWER KEY**

1. An athlete ran 30 miles last week over a total of d days. The athlete always runs 5 miles on each run. Find d, the number of days the athlete ran last week.

d = 6

2. The track field has stands that hold 210 people. After x people sit down, there are 120 seats left. Find x.

x = 90

3. This year, there are n runners on the track team. Each runner gets 2 uniforms. If 32 uniforms were handed out, find n.

n = 16