Name: ________________________________

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.

   \[ n = 16 \]