

Useful equivalences:

$$1 \text{ km} = 0.6214 \text{ miles (mi)}$$

$$1 \text{ mi} = 1.609 \text{ km}$$

Sprinter Usain Bolt once reached a top speed of 27.8 mi/hr. A wild cheetah can reach a top speed of 25.9 m/s.

Is a cheetah or Bolt faster? Show your dimensional analysis.