



1. A legend on a map of Cosine Park shows that 1 inch on the map equals 6 miles. Brandy wants to ride her bicycle from Sine Point to Tangent Point, a distance of 18 miles. How many inches is that route on the map?

If Brandy wants to ride her bicycle on a trail that is 4 inches on the map, how many miles will she have to ride?

2. The house plans for Wendell's house indicate that $\frac{1}{4}$ inch on the plans equals 1 foot. If the east wall is 5 inches long on the plans, how long will the east wall in the house be?

If the north wall will be 14 feet long in the house, how long should the north wall be on the plans?



3. Vern decided to build a playhouse for his granddaughter. The playhouse was designed to look just like his house but it has a scale of 1:5. Vern wants to make a bed for the playhouse that will resemble the bed in his guest room. If the real bed's dimensions are 60 inches by 80 inches, how wide must Vern make the playhouse bed?

How long must Vern make the playhouse bed?