



### **Math and Reading Connection**

#### **Using “Alice and White Rabbit” story from Mrs. Carvajal’s web site**

Alice was not a bit hurt. She jumped up onto her feet in a moment. She looked up, but it was all dark overhead. Before her was another long passage. The White Rabbit was still in sight, hurrying down it. There was not a moment to be lost. Away went Alice like the wind. She was just in time to hear it say, as it turned a corner, “Oh my ears and whiskers. How late it’s getting!” She was close behind it when she turned the corner, but the Rabbit was no longer able to be seen. She found herself in a long, low hall, which was lit up by a row of lamps hanging from the roof.

There were doors all around the hall, but they were all locked. Alice went all the way down one side and up the other, trying every door. Then she walked sadly down the middle, wondering how she was ever to get out again.

Suddenly she came upon a little three-legged table made of solid glass. There was nothing on it but a tiny golden key. Alice’s first idea was that this might belong to one of the doors of the hall. But, alas! Either the locks were too large, or the key was too small. At any rate, it would not open any of them. However, on the second time round, she came upon a low curtain she had not noticed before. Behind it was a little door about fifteen inches high. She tried the little golden key in the lock, and to her great delight it fit!

- 1. What is the area for the “long, low hall” in which Alice found herself if the hall was 21 yards long and 7 yards wide?**
- 2. What is the perimeter on feet for the “long, low hall” in which Alice found herself?**
- 3. How many yards altogether did Alice walk trying to get out?**
- 4. How many doors are in the “long, low hall” if there is one door built in every seven yards? (Don’t count the one behind the curtain)**
- 5. How far away from any wall is Alice when she “walked sadly” to the middle of the “long, low hall?”**
- 6. Use the perimeter of the hall to create a heptagon.**
- 7. What would you do if you find yourself alone in a dark “long, low hall” without a key, a cell phone and nobody to help you?**