



HOW WELL Do You Know Minnesota Winters?

Instructions: Answer each question below using only your own knowledge (no Googling).

1. **How many inches of snow fall in Minnesota on average in a year?**

Answer: 51.2 inches

2. **How many days does it snow at least 0.1 inch somewhere in Minnesota on average in a year?**

Answer: 32.2 days

3. **How many clear days (full sunshine) does Minnesota get during a typical winter? (As measured in Minneapolis)**

Answer: 22 days

4. **What is the coldest temperature ever recorded in Minnesota?**

Answer: -60 degrees Fahrenheit in Tower, Minn., Feb. 2, 1996

5. **What is the highest temperature ever recorded in Minnesota from December through February?**

Answer: 76 degrees Feb. 26, 1896

6. **What is the coldest wind chill recorded in Minnesota?**

Answer: -71 degrees Fahrenheit, northern Minnesota in 1982 (temperature of -30 degrees with winds of 40 mph)

7. **What percentage of all workers' compensation claims submitted to MCIT (coverage**

provider for Minnesota county governments and related public entities) are related to a slip and fall incident on average each year?

Answer: 23 percent

8. **Which is most commonly injured as a result of a slip and fall incident among MCIT members: wrist, ankles or knees?**

Answer: knees

9. **Which month has the most precipitation on average for Minnesota: December, January or February?**

Answer: January with a statewide average of 16.8 inches

10. **Which language has the most words for "snow"?**

Answer: Scots with 421 words for snow, for example, "feefle" means swirling snow, "flindrikin" is a brief snow shower and "spitters" are small flakes of wind-driven snow.

Bonus: What is the coefficient of friction for (water) ice? Coefficient of friction is the relationship between the force of friction between two objects. So basically how slippery something is. COF generally ranges between 0 and 1, with 0 meaning there is no friction between the objects.

Answer: At just below freezing, the coefficient of ice is about 0.05 for static friction and 0.04-0.02 for dynamic friction. Compare this to 0.3 to 0.6 for common materials and 0.15 when oil is added as a lubricant.