**Multiple Choice General Numeracy Scale**

Citation:

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Scoring Directions: All 11 items should be presented in random order, and an overall score is the number of correct answers. (Correct answers are indicated by an asterisk \*.)

Instructions: For the following questions, please select the response that you believe to be the correct answer.

1. Imagine that we roll a fair, six-sided die 900 times. Out of 900 rolls, how many times do you think the die would come up as an even number (that is, come up showing 2, 4, or 6)?
   1. 300 times
   2. 450 times \*
   3. 600 times
   4. 900 times
2. In the BIG BUCKS LOTTERY, the chances of winning a $10.00 prize are 1%. What is your best guess about how many people would win a $10.00 prize if 1,000 people each buy a single ticket from BIG BUCKS?
   1. 1 person
   2. 2 people
   3. 10 people \*
   4. 100 people
3. In the ACME PUBLISHING SWEEPSTAKES, the chance of winning a car is 1 in 1,000. What percent of tickets of ACME PUBLISHING SWEEPSTAKES win a car?
   1. 0.01%
   2. 0.1% \*
   3. 1%
   4. 10%
4. Which of the following numbers represents the biggest risk of getting a disease?
   1. 1 in 10 \*
   2. 1 in 100
   3. 1 in 1000
   4. 1 in 10000
5. Which of the following represents the biggest risk of getting a disease?
   1. 0.8%
   2. 1%
   3. 5%
   4. 10% \*
6. If Person A’s risk of getting a disease is 1% in ten years, and Person B’s risk is double that of A’s, what is B’s risk?
   1. 1% risk in ten years
   2. 2% risk in ten years \*
   3. 2% risk in five years
   4. 10% risk in ten years
7. If Person A’s chance of getting a disease is 1 in 100 in ten years, and Person B’s risk is double that of A, what is B’s risk?
   1. 1 in 200 in ten years
   2. 1 in 50 in five years
   3. 2 in 100 in ten years \*
   4. 2 in 100 in five years
8. If the chance of getting a disease is 10%, how many people would be expected to get the disease out of 1000?
   1. 1
   2. 10
   3. 20
   4. 100 \*
9. If the chance of getting a disease is 20 out of 100, this would be the same as having a \_\_\_\_% chance of getting the disease.
   1. 2%
   2. 5%
   3. 20% \*
   4. 100%
10. The chance of getting a viral infection is .0005. Out of 10,000 people, about how many of them are expected to get infected?
    1. 0.05
    2. 1
    3. 5 \*
    4. 50
11. Which of the following numbers represents the biggest risk of getting a disease?
    1. 1 in 12 \*
    2. 1 in 37
    3. 1 in 58
    4. 1 in 79