

## ALWAYS, SOMETIMES, NEVER TRUE WORKSHEET - TEACHER

Below, you will find 10 statements. Decide if the statement is always, sometimes, or never true, and then, below the statement, write your answer and give your justification based on the information you have learned over the course of this lesson.

1. If 100 students take a test, half of the students will score less than the average for the class.

**Sometimes**

2. As you increase your sample size, the mean of a sample of data will be closer to the mean of the overall population it was taken from.

**Always**

3. The lower your confidence interval, the more accurate your data will be.

**Never**

4. A sample size of 30 will always result in a normal distribution.

**Sometimes**

5. The median and the mean of a sample will never be equal.

**Sometimes**

6. In a random sample of 100 people from your school, there will be at least two people who share a birthday.

**Sometimes**

7. If I roll a die 100 times, I will get the same number of 1s as 6s.

**Sometimes**

8. If we draw a card from a deck of cards and then put it back, the probability of drawing that card again will change.

**Never**