Name: _____

# Making Predictions from Samples

Answer each question.

1. In a random sample of 50 students, 27 prefer pizza for lunch. There are 600 students in the school. Predict how many prefer pizza.

   Answer: _____

2. In a random sample of 50 students, 19 prefer pizza for lunch. There are 500 students in the school. Predict how many prefer pizza.

   Answer: _____

3. In a random sample of 80 students, 18 prefer pizza for lunch. There are 400 students in the school. Predict how many prefer pizza.

   Answer: _____

4. In a random sample of 100 students, 7 prefer pizza for lunch. There are 400 students in the school. Predict how many prefer pizza.

   Answer: _____

5. In a random sample of 100 students, 21 prefer pizza for lunch. There are 1200 students in the school. Predict how many prefer pizza.

   Answer: _____

6. In a random sample of 40 students, 10 prefer pizza for lunch. There are 400 students in the school. Predict how many prefer pizza.

   Answer: _____

7. In a random sample of 40 students, 25 prefer pizza for lunch. There are 600 students in the school. Predict how many prefer pizza.

   Answer: _____

8. In a random sample of 80 students, 26 prefer pizza for lunch. There are 1000 students in the school. Predict how many prefer pizza.

   Answer: _____

9. In a random sample of 50 students, 15 prefer pizza for lunch. There are 500 students in the school. Predict how many prefer pizza.

   Answer: _____

10. In a random sample of 60 students, 14 prefer pizza for lunch. There are 500 students in the school. Predict how many prefer pizza.

    Answer: _____

Name: **ANSWER KEY**

# Making Predictions from Samples

Answer each question.

1. In a random sample of 50 students, 27 prefer pizza for lunch. There are 600 students in the school. Predict how many prefer pizza.

   Answer: 324 students

2. In a random sample of 50 students, 19 prefer pizza for lunch. There are 500 students in the school. Predict how many prefer pizza.

   Answer: 190 students

3. In a random sample of 80 students, 18 prefer pizza for lunch. There are 400 students in the school. Predict how many prefer pizza.

   Answer: 90 students

4. In a random sample of 100 students, 7 prefer pizza for lunch. There are 400 students in the school. Predict how many prefer pizza.

   Answer: 28 students

5. In a random sample of 100 students, 21 prefer pizza for lunch. There are 1200 students in the school. Predict how many prefer pizza.

   Answer: 252 students

6. In a random sample of 40 students, 10 prefer pizza for lunch. There are 400 students in the school. Predict how many prefer pizza.

   Answer: 100 students

7. In a random sample of 40 students, 25 prefer pizza for lunch. There are 600 students in the school. Predict how many prefer pizza.

   Answer: 375 students

8. In a random sample of 80 students, 26 prefer pizza for lunch. There are 1000 students in the school. Predict how many prefer pizza.

   Answer: 325 students

9. In a random sample of 50 students, 15 prefer pizza for lunch. There are 500 students in the school. Predict how many prefer pizza.

   Answer: 150 students

10. In a random sample of 60 students, 14 prefer pizza for lunch. There are 500 students in the school. Predict how many prefer pizza.

    Answer: about 117 students