





**6.** Rutherford County is the fastest-growing county in Tennessee (population-wise). The population of this county was about 180,000 in year 2000 but is expected to be 270,000 by the end of 2010. How much, percentage-wise, will the county have grown in this time?

- a) 10 percent
- b) 30 percent
- c) 50 percent
- d) 90 percent

**7.** Driving the speed limit on Interstate 40, about how long a drive is it from both Nashville to Memphis (west) and Knoxville (east)?

- a) one hour
- b) three hours and 10 minutes
- c) five hours

**8.** Phil realizes that unless he does well in science class he will not be allowed to watch any more Tennessee Titans football games. His previous four test scores are 91, 90, 94 and 87. In order to average a 93 on his tests, what must Phil get on the fifth test?

- a) 103
- b) 94
- c) 89
- d) 91

**9.** The U.S. Constitution requires three-fourths of the states to ratify an amendment for it to become law. In 1920, Tennessee became the decisive state to ratify the amendment that gave women the right to vote. Since there were 48 states in the union at that time, we can conclude that how many states had ratified the amendment before Tennessee?

- a) 35
- b) 36
- c) 42
- d) 48

**10.** The railroad tunnel near Cowan that was originally dug by slave labor is 2,228 feet long. How many football fields is that?

- a) 1.21
- b) 7.43
- c) 6.19
- d) 7.34

**11.** Railroad ties are the rectangular pieces of wood used as a base for railroad tracks. If railroad ties are 8.5 feet in length, and if there are 3,000 railroad ties used per mile of track, how many feet of railroad ties were needed to build the original train track from Nashville to Chattanooga in the 1850s (a distance of 151 miles)?

- a) 3,159
- b) 25,500
- c) 453,000
- d) 3.85 million

**12.** The University of Tennessee's Neyland Stadium has a capacity of 102,000 people. If Knoxville has a population of about 175,000, and if 30,000 of Knoxville's residents attend the football games (the rest of the attendees are from out of town), what percentage of the people in Knoxville are at the stadium on game days? (This question assumes that the stadium is full and that no one other than game attendees come and go in Knoxville on game days).

- a) 18 percent
- b) 26 percent
- c) 41 percent
- d) 58 percent

**13.** The Vanderbilt University marching band sets off toward Knoxville in a bus that averages 40 miles per hour. You realize that they have left some of their equipment and chase after them half an hour after they left, going 60 miles per hour. How long will it take you to catch them?

- a) 10 minutes
- b) 30 minutes
- c) 1 hour
- d) 1.5 hours

**14.** According to the Tennessee Valley Authority's Web site, 9,609 cubic feet of water per second was flowing down the Little Pigeon River in Sevierville on a recent day. How much is this in cubic feet per day?

- a) 576,540
- b) 830 million
- c) 2.6 billion
- d) 34.5 million

**15.** What is the elevation distance between the highest and lowest points in Tennessee?

- a) 16,402 feet
- b) 6,465 feet
- c) 4,702 feet
- d) 996 feet

**16.** It is 451 miles from the edge of Memphis in Shelby County to the Tennessee-North Carolina border along Interstate 40. If you and another person simultaneously start at opposite ends of the state along this highway, turn toward each other and go 60 miles per hour, how long will it take the two of you to reach each other?

- a) 3.75 hours
- b) 7.5 hours
- c) 6 hours
- d) 3 hours

**17.** Using the previous problem, in what county will you and the other person meet along Interstate 40?

- a) Davidson
- b) Rutherford
- c) Cheatham
- d) Wilson