Rounding and Estimating 1

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Round the whole number to the given place.

1) 488 to the nearest ten 1) _____

A) 590 B) 490 C) 480 D) 500

Round the following to the nearest ten, nearest hundred, and nearest thousand.

2) 5077 2) _____

A) Ten 5070
Hundred 5000
Thousand 6000

B) Ten 5080
Hundred 5000
Thousand 5000

C) Ten 5070
Hundred 5100
Thousand 5000

D) Ten 5080
Hundred 5100
Thousand 5000

Round the whole number to the given place.

3) 897,499 to the nearest thousand 3) _____

A) 898,000 B) 897,000 C) 897,500 D) 897,400

4) 18,891 to the nearest thousand 4) _____

A) 18,000 B) 18,900 C) 19,000 D) 20,000

5) 8914 to the nearest hundred 5) _____

A) 8910 B) 8900 C) 9000 D) 8800

Solve the problem by estimating.

6) In 1999, the population of Capital City was 7,255,831 and the population of Spring City was 3,942,652.. Round each population to the nearest hundred-thousand to estimate the difference in the populations of the two cities. 6) _____

A) 3,400,000 B) 3,500,000 C) 3,313,000 D) 3,300,000

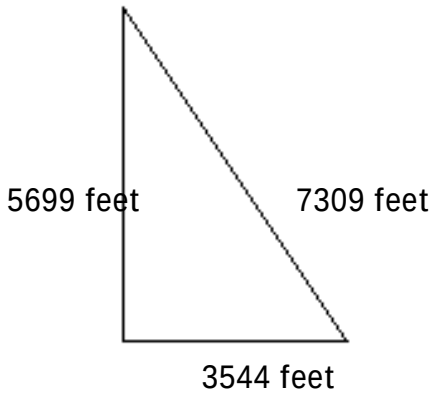
7) The Pan family took a trip and traveled 87, 165, 449, 439, 598, and 560 miles on 6 consecutive days. Round each distance to the nearest hundred to estimate the distance they traveled. 7) _____

A) 2400 miles B) 2200 miles C) 2300 miles D) 2500 miles

8) A number rounded to the nearest hundred is 9200. Determine the largest possible number. 8) _____

A) 9250 B) 9249 C) 9151 D) 9248

9) Estimate the perimeter by first rounding each length to the nearest hundred. 9) _____



A) 10,098,600 ft B) 16,600 ft C) 8300 ft D) 16,500 ft

10) Enrollment figures at a community college showed an increase from 43,580 credit hours in 2005 to 89,292 credit hours in 2006. Round each number to the nearest thousand to estimate the increase. 10) _____

A) 45,800 credit hours
B) 45,000 credit hours
C) 46,000 credit hours
D) 45,700 credit hours

Estimate the result of the calculation. Use your estimate to determine if the result appears to be correct or incorrect.

11) 195 + 520 + 677 + 381 = 1873 11) _____

A) Incorrect. Estimate: 2000
B) Incorrect. Estimate: 1900
C) Incorrect. Estimate: 1800
D) Incorrect. Estimate: 1700

Estimate the sum or difference by rounding each number to the nearest ten.

12) 12) _____

514
- 77

A) 400 B) 437 C) 430 D) 440

Estimate the sum or difference by rounding each number to the nearest hundred.

13) 13) _____

8967
- 1449

A) 7518 B) 7600 C) 8000 D) 7500

Estimate the sum or difference by rounding each number to the nearest ten.

14) 14) _____

6887
- 4774

A) 2110 B) 2113 C) 2100 D) 2120

Estimate the sum or difference by rounding each number to the nearest hundred.

15) 15) _____

8866
+ 1855

A) 10,800 B) 10,700 C) 11,000 D) 10,721

Answer Key
Testname: 1.5ROUNDINGEST 1

1) B
2) D
3) B
4) C
5) B
6) A
7) C
8) B
9) D
10) B
11) C
12) C
13) B
14) D
15) A