Rounding and Estimating 3

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

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

1) 1) _____

743
- 86

A) 700 B) 657 C) 650 D) 660

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

2) 2) _____

8876
- 2644

A) 6232 B) 6300 C) 6000 D) 6200

3) 3) _____

4768
+ 6754

A) 11,600 B) 11,500 C) 12,000 D) 11,522

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

4) 4) _____

9937
- 2183

A) 7750 B) 7754 C) 7800 D) 7760

Round the whole number to the given place.

5) 997,499 to the nearest thousand 5) _____

A) 998,000 B) 997,000 C) 997,500 D) 997,400

6) 16,653 to the nearest thousand 6) _____

A) 16,000 B) 16,700 C) 17,000 D) 20,000

7) 109 to the nearest ten 7) _____

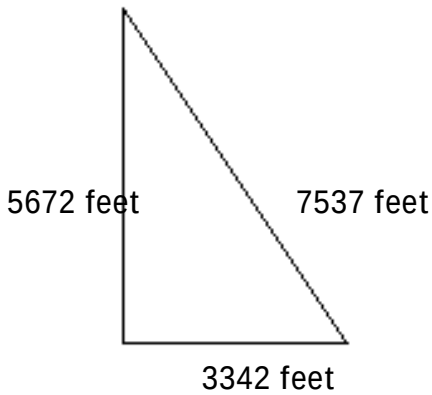
A) 210 B) 110 C) 100 D) 120

8) 1216 to the nearest hundred 8) _____

A) 1210 B) 1200 C) 1300 D) 1100

Solve the problem by estimating.

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



A) 9,477,900 ft B) 16,600 ft C) 8300 ft D) 16,500 ft

10) The Pan family took a trip and traveled 85, 165, 449, 439, 698, and 460 miles on 6 consecutive days. Round each distance to the nearest hundred to estimate the distance they traveled. 10) _____

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

11) In 1999, the population of Capital City was 7,655,831 and the population of Spring City was 2,042,652.. Round each population to the nearest hundred-thousand to estimate the difference in the populations of the two cities. 11) _____

A) 5,700,000 B) 5,800,000 C) 5,613,000 D) 5,600,000

12) Enrollment figures at a community college showed an increase from 21,598 credit hours in 2005 to 81,290 credit hours in 2006. Round each number to the nearest thousand to estimate the increase. 12) _____

A) 59,800 credit hours B) 59,000 credit hours
C) 60,000 credit hours D) 59,700 credit hours

13) A number rounded to the nearest hundred is 4600. Determine the smallest possible number. 13) _____

A) 4551 B) 4550 C) 4650 D) 4549

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

14) $310 + 468 + 606 + 275 = 1759$ 14) _____

A) Incorrect. Estimate: 1900 B) Incorrect. Estimate: 1800
C) Incorrect. Estimate: 1700 D) Incorrect. Estimate: 1600

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

15) 6065 15) _____

A) Ten 6060
Hundred 6000
Thousand 7000

B) Ten 6070
Hundred 6000
Thousand 6000

C) Ten 6060
Hundred 6100
Thousand 6000

D) Ten 6070
Hundred 6100
Thousand 6000

Answer Key
Testname: 1.5ROUNDINGEST 3

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