

Rounding and Estimating 2

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

Round the whole number to the given place.

1) 549 to the nearest ten

- A) 650                      B) 550                      C) 540                      D) 560

1) \_\_\_\_\_

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

2) 8167

- |          |      |          |      |
|----------|------|----------|------|
| A) Ten   | 8160 | B) Ten   | 8170 |
| Hundred  | 8100 | Hundred  | 8100 |
| Thousand | 9000 | Thousand | 8000 |
| C) Ten   | 8160 | D) Ten   | 8170 |
| Hundred  | 8200 | Hundred  | 8200 |
| Thousand | 8000 | Thousand | 8000 |

2) \_\_\_\_\_

Round the whole number to the given place.

3) 357,499 to the nearest thousand

- A) 358,000                      B) 357,000                      C) 357,500                      D) 357,400

3) \_\_\_\_\_

4) 38,791 to the nearest thousand

- A) 38,000                      B) 38,800                      C) 39,000                      D) 40,000

4) \_\_\_\_\_

5) 7428 to the nearest hundred

- A) 7410                      B) 7400                      C) 7500                      D) 7300

5) \_\_\_\_\_

Solve the problem by estimating.

6) In 1999, the population of Capital City was 8,455,831 and the population of Spring City was 2,412,652. Round each population to the nearest hundred-thousand to estimate the difference in the populations of the two cities.

- A) 6,100,000                      B) 6,200,000                      C) 6,043,000                      D) 6,000,000

6) \_\_\_\_\_

7) The Pan family took a trip and traveled 75, 465, 449, 839, 698, and 360 miles on 6 consecutive days. Round each distance to the nearest hundred to estimate the distance they traveled.

- A) 3000 miles                      B) 2800 miles                      C) 2900 miles                      D) 3100 miles

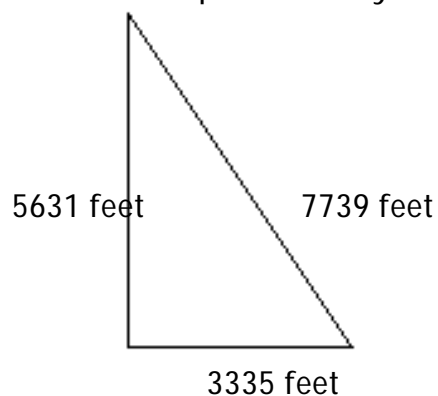
7) \_\_\_\_\_

8) A number rounded to the nearest hundred is 7300. Determine the smallest possible number.

- A) 7251                      B) 7250                      C) 7350                      D) 7249

8) \_\_\_\_\_

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



- A) 9,389,700 ft                      B) 16,700 ft                      C) 8300 ft                      D) 16,600 ft

9) \_\_\_\_\_

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10) Enrollment figures at a community college showed an increase from 31,672 credit hours in 2005 to 70,412 credit hours in 2006. Round each number to the nearest thousand to estimate the increase.

10) \_\_\_\_\_

A) 38,800 credit hours

B) 38,000 credit hours

C) 39,000 credit hours

D) 38,700 credit hours

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

11)  $794 + 946 + 225 + 563 = 2328$

11) \_\_\_\_\_

A) Incorrect. Estimate: 2600

B) Incorrect. Estimate: 2300

C) Incorrect. Estimate: 2500

D) Incorrect. Estimate: 2700

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

12)

12) \_\_\_\_\_

593

- 66

A) 500

B) 527

C) 520

D) 530

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

13)

13) \_\_\_\_\_

8675

- 2042

A) 6633

B) 6700

C) 7000

D) 6600

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

14)

14) \_\_\_\_\_

6637

- 2084

A) 4550

B) 4553

C) 4600

D) 4560

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

15)

15) \_\_\_\_\_

8155

+ 3465

A) 11,700

B) 11,600

C) 12,000

D) 11,620

Answer Key

Testname: 1.5ROUNDINGEST 2

- 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