



Estimation and Rounding

Name: _____

Date: _____

Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. Is 12,346 a reasonable answer for $5,890 + 3,456$?

- A) Yes, because the estimate is about 9,300
- B) No, because the estimate is about 9,300 and 12,346 is much larger
- C) Yes, because both are close
- D) No, because the estimate is about 15,000

2. Is 4,210 a reasonable answer for $8,732 - 4,567$?

- A) No, the estimate is about 9,000
- B) Yes, the estimate is about 4,200
- C) No, the estimate is about 5,000
- D) Yes, the estimate is about 13,000

3. Is 1,800 a reasonable estimate for 32×58 ?

- A) Yes, because $30 \times 60 = 1,800$
- B) No, because $30 \times 50 = 1,500$
- C) Yes, because $40 \times 50 = 2,000$
- D) No, because $32 \times 58 = 100$

4. A student says 487 divided by 7 is about 700. Is that reasonable?

- A) Yes, because 490 divided by 7 is 70
- B) No, because 490 divided by 7 is 70, not 700
- C) Yes, because 487 is close to 700
- D) No, because the answer is exactly 7

Part B: Fill in the Blank

Write the correct answer on each line.

1. Estimate the sum $4,892 + 3,107$ by rounding each addend to the nearest thousand. The estimate is _____.

2. Estimate $9,431 - 2,876$ by rounding each number to the nearest thousand. The estimate is _____.

3. If a student answers $6,890 + 2,145 = 9,035$, the estimate using thousands is about _____.

4. If 47×22 has a true product of 1,034, the compatible-number estimate is _____.

5. If 396 divided by 4 has the answer 99, a reasonable compatible-number estimate is _____.

Part A: Multiple Choice

Circle the best answer for each question.

1. Is 12,346 a reasonable answer for $5,890 + 3,456$?

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- B) No, because the estimate is about 9,300 and 12,346 is much larger**
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Part B: Fill in the Blank

Write the correct answer on each line.

1. Estimate the sum $4,892 + 3,107$ by rounding each addend to the nearest thousand. The estimate is 8,000 .

2. Estimate $9,431 - 2,876$ by rounding each number to the nearest thousand. The estimate is 6,000 .

3. If a student answers $6,890 + 2,145 = 9,035$, the estimate using thousands is about 9,000 .

4. If 47×22 has a true product of 1,034, the compatible-number estimate is 1,000 .

5. If 396 divided by 4 has the answer 99, a reasonable compatible-number estimate is 100 .