LESSON MAKER PRO

Estimate Smart

Round numbers to find close answers.

GRADE 4 · 4.CE.1.b

4.CE.1.b "Apply strategies (e.g., rounding to the nearest 100 or 1,000, using compatible numbers, other number relationships) to estimate a solution for single-step or multistep addition or subtraction problems with whole numbers..."

NAME _____ DATE _____

ROUND, THEN SOLVE

To estimate a sum or difference, round each number to the place named. Then add or subtract the rounded numbers. You can also use compatible numbers, which are numbers that are easy to add or subtract.

WORKED EXAMPLE

Estimate 4,362 + 2,781 by rounding to the nearest hundred.

1. 4,362 rounds to 4,400.
2. 2,781 rounds to 2,800.
3. 4,400 + 2,800 = 7,200.

Answer: 7,200

PRACTICE 6 problems

1 Estimate 3,247 + 1,638 by rounding to the nearest hundred.

ANSWER _____

2 Estimate 8,451 - 3,272 by rounding to the nearest hundred.

ANSWER _____

3 Estimate 5,689 + 2,144 by rounding to the nearest thousand.

ANSWER _____

4 Estimate 9,204 - 4,611 by rounding to the nearest thousand.

ANSWER _____

5 Estimate 3,975 + 2,025. Use compatible numbers.

ANSWER _____

6 Estimate 7,156 - 2,149 + 1,983 by rounding each number to the nearest hundred.

ANSWER _____

APPLY IT Show your work

1 The school library has 6,742 graphic novels. Students have checked out 2,181 of them. About how many graphic novels are still on the shelves? Round to the nearest hundred.

WORK SPACE

ANSWER _____

2 A video club posted a movie trailer. It got 1,765 views on Monday, 2,248 views on Tuesday, and 1,531 views on Wednesday. About how many views did it get altogether? Round to the nearest hundred.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Estimate 9,478 - 2,526 + 1,641 by rounding each number to the nearest hundred.

WORK SPACE AND ANSWER

ANSWER KEY

Estimate Smart

GRADE 4 · 4.CE.1.b

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Estimate 3,247 + 1,638 by rounding to the nearest hundred.	**4,800**
2	Estimate 8,451 - 3,272 by rounding to the nearest hundred.	**5,200**
3	Estimate 5,689 + 2,144 by rounding to the nearest thousand.	**8,000**
4	Estimate 9,204 - 4,611 by rounding to the nearest thousand.	**4,000**
5	Estimate 3,975 + 2,025. Use compatible numbers.	**6,000**
6	Estimate 7,156 - 2,149 + 1,983 by rounding each number to the nearest hundred.	**7,100**

PART 2 · APPLY IT

1. **About 4,500 graphic novels** Round 6,742 to 6,700 and 2,181 to 2,200. Then subtract: 6,700 - 2,200 = 4,500.
2. **About 5,500 views** Round the numbers to 1,800, 2,200, and 1,500. Then add: 1,800 + 2,200 + 1,500 = 5,500.

CHALLENGE

8,600

Accept only estimates that use the rounding place named in each problem. For the compatible-numbers problem, accept 6,000.