LESSON MAKER PRO

Close Enough Counts

Estimate sums and differences by rounding.

GRADE 4 · 4.NOS.B.3.a

4.NOS.B.3.a "Apply estimation strategies to estimate sums and differences."

NAME _____ DATE _____

ROUND, THEN CALCULATE

Round each number to the place named in the question. Then add or subtract the rounded numbers to get an estimate.

WORKED EXAMPLE

Estimate 347 + 582 by rounding each number to the nearest hundred.

1. 347 rounds to 300.
2. 582 rounds to 600.
3. 300 + 600 = 900.

Answer: About 900

PRACTICE 6 problems

1 Estimate 263 + 418. Round each number to the nearest hundred.

ANSWER _____

2 Estimate 754 - 286. Round each number to the nearest hundred.

ANSWER _____

3 Estimate 146 + 278. Round each number to the nearest ten.

ANSWER _____

4 Estimate 693 - 257. Round each number to the nearest ten.

ANSWER _____

5 Estimate 1,426 + 2,831. Round each number to the nearest thousand.

ANSWER _____

6 Estimate 5,768 - 2,219. Round each number to the nearest hundred.

ANSWER _____

APPLY IT Show your work

1 In a video game, Mia scored 1,268 points in one level and 2,547 points in another. Round each score to the nearest hundred to estimate her total points.

WORK SPACE

ANSWER _____

2 A school collected 3,724 plastic bottles for recycling and sent 1,486 bottles to a recycling center. Round each number to the nearest hundred to estimate how many bottles are left.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Estimate 2,468 + 3,586 twice: first by rounding each number to the nearest hundred, then by rounding each number to the nearest thousand. Which estimate is closer to the exact sum? Show how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Close Enough Counts

GRADE 4 · 4.NOS.B.3.a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Estimate 263 + 418. Round each number to the nearest hundred.	**About 700**
2	Estimate 754 - 286. Round each number to the nearest hundred.	**About 500**
3	Estimate 146 + 278. Round each number to the nearest ten.	**About 430**
4	Estimate 693 - 257. Round each number to the nearest ten.	**About 430**
5	Estimate 1,426 + 2,831. Round each number to the nearest thousand.	**About 4,000**
6	Estimate 5,768 - 2,219. Round each number to the nearest hundred.	**About 3,600**

PART 2 · APPLY IT

1. **About 3,800 points** 1,268 rounds to 1,300, and 2,547 rounds to 2,500. Add 1,300 + 2,500.
2. **About 2,200 bottles** 3,724 rounds to 3,700, and 1,486 rounds to 1,500. Subtract 3,700 - 1,500.

CHALLENGE

Nearest hundred: 6,100. Nearest thousand: 6,000. The exact sum is 6,054, so 6,100 is closer. It is 46 away, while 6,000 is 54 away.

Accept estimates written with or without the word “about.” For the challenge, accept any correct comparison that shows 6,100 is closer to 6,054.