

Estimate Smart

Round numbers to find reasonable answers.

GRADE 5 • TEKS 5.3.A

5.3.A "estimate to determine solutions to mathematical and real-world problems involving addition, subtraction, multiplication, or division;"

NAME _____

DATE _____

ROUND, THEN SOLVE

To estimate, round each number to a place that makes the calculation easy. Then solve using the rounded numbers and label your answer as about.

WORKED EXAMPLE

Estimate $487 + 236$ by rounding each addend to the nearest hundred.

1. 487 rounds to 500.
2. 236 rounds to 200.
3. $500 + 200 = 700$.

Answer: About 700

PRACTICE 6 problems

- 1** Estimate $364 + 218$ by rounding each addend to the nearest hundred.

ANSWER _____

- 2** Estimate $783 - 352$ by rounding each number to the nearest hundred.

ANSWER _____

- 3** Estimate 47×19 by rounding each factor to the nearest ten.

ANSWER _____

- 4** Estimate $594 \div 61$ by rounding each number to the nearest ten.

ANSWER _____

- 5** Estimate $2,746 + 1,182$ by rounding each addend to the nearest thousand.

ANSWER _____

- 6** Estimate $1,438 - 689$ by rounding each number to the nearest hundred.

ANSWER _____

APPLY IT Show your work

- 1** A video game club sold 248 tickets for its Saturday tournament and 367 tickets for its Sunday tournament. About how many tickets did the club sell altogether? Round to the nearest hundred.

WORK SPACE

ANSWER _____

- 2** A trading card shop packs 27 packs of cards. Each pack has 48 cards. About how many cards does the shop pack? Round each factor to the nearest ten.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game store has 1,982 trading cards. It puts 37 cards in each prize bag. About how many prize bags can the store fill? Round each number to the nearest ten or hundred, then explain your estimate.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Estimate $364 + 218$ by rounding each addend to the nearest hundred.	About 600
2	Estimate $783 - 352$ by rounding each number to the nearest hundred.	About 400
3	Estimate 47×19 by rounding each factor to the nearest ten.	About 1,000
4	Estimate $594 \div 61$ by rounding each number to the nearest ten.	About 10
5	Estimate $2,746 + 1,182$ by rounding each addend to the nearest thousand.	About 4,000
6	Estimate $1,438 - 689$ by rounding each number to the nearest hundred.	About 700

PART 2 • APPLY IT

1. **About 600 tickets** Round 248 to 200 and 367 to 400. Add $200 + 400$ to get about 600 tickets.
2. **About 1,500 cards** Round 27 to 30 and 48 to 50. Multiply 30×50 to get about 1,500 cards.

CHALLENGE

About 50 prize bags. 1,982 rounds to 2,000 and 37 rounds to 40, so $2,000 \div 40 = 50$.

Accept answers with the word "about" or the $\approx$ symbol. For the challenge, accept equivalent explanations that round 1,982 to 2,000 and 37 to 40, then find 50.