

Round and Ready

Use friendly numbers to make quick estimates.

GRADE 3 • TEKS 3.4.B

3.4.B "round to the nearest 10 or 100 or use compatible numbers to estimate solutions to addition and subtraction problems;"

NAME _____

DATE _____

ESTIMATE WITH ROUNDING

To estimate a sum or difference, round each number to the place named. Then add or subtract the rounded numbers. An estimate is close to the exact answer, but it may not be exact.

WORKED EXAMPLE

Estimate $462 + 179$ by rounding to the nearest hundred.

1. Round 462 to 500.
2. Round 179 to 200.
3. Add: $500 + 200 = 700$.

Answer: About 700

PRACTICE 6 problems

- 1** Round 53 to the nearest 10.

ANSWER _____

- 2** Round 267 to the nearest 100.

ANSWER _____

- 3** Estimate $148 + 231$ by rounding each number to the nearest 10.

ANSWER _____

- 4** Estimate $684 - 257$ by rounding each number to the nearest 10.

ANSWER _____

- 5** Estimate $721 + 164$ by rounding each number to the nearest 100.

ANSWER _____

- 6** Estimate $1,438 - 612$ by rounding each number to the nearest 100.

ANSWER _____

APPLY IT Show your work

- 1** Maya has 372 game points. She spends 154 points on a new character. About how many game points does she have left? Round to the nearest 10.

WORK SPACE

ANSWER _____

- 2** Two classes collect bookmarks for a book fair. One class collects 1,276 bookmarks, and the other collects 389 bookmarks. About how many bookmarks do they collect altogether? Round to the nearest 100.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game had 1,648 points at one level and 739 points at another level. The exact difference is 909. Estimate the difference by rounding to the nearest 10 and by rounding to the nearest 100. Which estimate is closer to 909? Explain.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Round 53 to the nearest 10.	50
2	Round 267 to the nearest 100.	300
3	Estimate $148 + 231$ by rounding each number to the nearest 10.	About 380
4	Estimate $684 - 257$ by rounding each number to the nearest 10.	About 420
5	Estimate $721 + 164$ by rounding each number to the nearest 100.	About 900
6	Estimate $1,438 - 612$ by rounding each number to the nearest 100.	About 800

PART 2 • APPLY IT

1. **About 220 game points** Round 372 to 370 and 154 to 150. Then subtract $370 - 150 = 220$.
2. **About 1,700 bookmarks** Round 1,276 to 1,300 and 389 to 400. Then add $1,300 + 400 = 1,700$.

CHALLENGE

Nearest 10: $1,650 - 740 = 910$. Nearest 100: $1,600 - 700 = 900$. The estimate 910 is closer because it is 1 away from 909, while 900 is 9 away.

Accept answers written with or without the word "about" when the correct estimate is shown. For the challenge, accept any clear explanation that identifies 910 as the closer estimate.