

Show Your Math

Solve, label, and explain each answer.

GRADE 3 • TEKS 3.1.G

3.1.G "display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication."

NAME _____

DATE _____

USE MATH WORDS

Write an equation that matches the calculation or situation. Use precise words such as sum, difference, add, subtract, regroup, hundreds, tens, and ones to explain why your answer makes sense.

WORKED EXAMPLE

Find $247 + 136$.

1. Add the ones: $7 + 6 = 13$. Write 3 ones and regroup 1 ten.
2. Add the tens: $4 + 3 + 1 = 8$ tens.
3. Add the hundreds: $2 + 1 = 3$ hundreds.

Answer: $247 + 136 = 383$. The sum is 383.

PRACTICE 6 problems

- 1** Solve. Write an equation and one sentence that names the difference: $604 - 278$.

ANSWER _____

- 2** Solve. Write an equation and one sentence that names the sum: $159 + 264$.

ANSWER _____

- 3** Solve. Write an equation and one sentence that names the sum: $472 + 318$.

ANSWER _____

- 4** Solve. Write an equation and one sentence that names the difference: $800 - 456$.

ANSWER _____

- 5** Solve. Write an equation and one sentence that names the difference: $731 - 209$.

ANSWER _____

- 6** Solve. Write an equation and one sentence that names the sum: $286 + 147$.

ANSWER _____

APPLY IT Show your work

- 1** Kai has 468 trading cards. He gives 193 cards to friends. How many cards does he have now? Write a subtraction equation and one sentence that names the difference.

WORK SPACE

ANSWER _____

- 2** Lena has 275 points in a video game. She earns 168 more points. How many points does she have now? Write an addition equation and one sentence that names the sum.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Mia says that $502 - 178 = 434$. Is Mia correct? Write the correct equation. Then write 2 sentences that explain your reasoning using regroup and place value.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Solve. Write an equation and one sentence that names the difference: $604 - 278$.	$604 - 278 = 326$. The difference is 326.
2	Solve. Write an equation and one sentence that names the sum: $159 + 264$.	$159 + 264 = 423$. The sum is 423.
3	Solve. Write an equation and one sentence that names the sum: $472 + 318$.	$472 + 318 = 790$. The sum is 790.
4	Solve. Write an equation and one sentence that names the difference: $800 - 456$.	$800 - 456 = 344$. The difference is 344.
5	Solve. Write an equation and one sentence that names the difference: $731 - 209$.	$731 - 209 = 522$. The difference is 522.
6	Solve. Write an equation and one sentence that names the sum: $286 + 147$.	$286 + 147 = 433$. The sum is 433.

PART 2 • APPLY IT

- $468 - 193 = 275$. The difference is 275 cards.** Subtract 193 from 468. Kai has 275 trading cards left.
- $275 + 168 = 443$. The sum is 443 points.** Add 168 points to 275 points. Lena has 443 points.

CHALLENGE

$502 - 178 = 324$. Mia is not correct because $502 - 178$ equals 324. I regrouped 1 hundred into 10 tens and 1 ten into 10 ones so I could subtract each place value.

Accept correct equations written horizontally or vertically. Accept equivalent clear explanations that use appropriate math vocabulary, even if students use different wording.