

Number Trail Quest

Add and subtract within 1,000 using place value.

GRADE 3 • TEKS 3.4.A

3.4.A "solve with fluency one-step and two-step problems involving addition and subtraction within 1,000 using strategies based on place value, properties of operations, and the relationship between addition and subtraction;"

NAME _____

DATE _____

BUILD BY PLACE VALUE

Line up hundreds, tens, and ones before you add or subtract. Regroup when a place has 10 or more, and use addition to check a subtraction answer.

WORKED EXAMPLE

$$468 + 257$$

1. Add ones: $8 + 7 = 15$. Write 5 ones and regroup 1 ten.
2. Add tens: $6 + 5 + 1 = 12$. Write 2 tens and regroup 1 hundred.
3. Add hundreds: $4 + 2 + 1 = 7$.
4. The sum is 725.

Answer: 725**PRACTICE** 6 problems

1 $376 + 248 =$

ANSWER _____

2 $903 - 476 =$

ANSWER _____

3 $185 + 329 =$

ANSWER _____

4 $700 - 358 =$

ANSWER _____

5 Start with 642. Subtract 187, then add 96. What is the result?

ANSWER _____

6 Add 438 and 175. Then subtract 92. What is the result?

ANSWER _____

APPLY IT Show your work

- 1** In a video game, Jalen earns 325 coins in one level and 178 coins in the next level. He spends 246 coins on a new character. How many coins does Jalen have left?

WORK SPACE

ANSWER _____

- 2** The art club has 720 beads. Students use 285 beads for bracelets, then the club buys 146 more beads. How many beads does the club have now?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Mina had some stickers. She gave away 185 stickers, then got 267 more stickers. Now she has 638 stickers. How many stickers did Mina have at the start? Show an equation.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	$376 + 248 =$	624
2	$903 - 476 =$	427
3	$185 + 329 =$	514
4	$700 - 358 =$	342
5	Start with 642. Subtract 187, then add 96. What is the result?	551
6	Add 438 and 175. Then subtract 92. What is the result?	521

PART 2 • APPLY IT

1. **257 coins** Add $325 + 178 = 503$. Then subtract $503 - 246 = 257$.
2. **581 beads** Subtract $720 - 285 = 435$. Then add $435 + 146 = 581$.

CHALLENGE

556 stickers; $638 - 267 + 185 = 556$

Accept correct place-value strategies, including expanded form, regrouping, or counting up. For the challenge, accept 556 with a correct reverse-operation equation.