

Regrouping Road Trip

Use place value to add and subtract within 1,000.

GRADE 3 • 3.NBT.A

CCSS.Math.Content.3.NBT.A "Use place value understanding and properties of operations to perform multi-digit arithmetic. A range of algorithms may be used."

NAME _____

DATE _____

TRADE AND REGROUP

Line up numbers so ones, tens, and hundreds are in the same columns. When a column makes 10 or more, regroup to the next place. When subtracting, you can trade 1 hundred for 10 tens or 1 ten for 10 ones.

WORKED EXAMPLE

$$468 + 257$$

1. Ones: $8 + 7 = 15$. Write 5 ones and regroup 1 ten.
2. Tens: $6 + 5 + 1 = 12$. Write 2 tens and regroup 1 hundred.
3. Hundreds: $4 + 2 + 1 = 7$.
4. $468 + 257 = 725$

Answer: 725

PRACTICE 6 problems

1 $349 + 126 =$

ANSWER _____

2 $802 - 367 =$

ANSWER _____

3 $274 + 518 =$

ANSWER _____

4 $900 - 458 =$

ANSWER _____

5 $631 - 279 =$

ANSWER _____

6 $185 + 406 =$

ANSWER _____

APPLY IT Show your work

- 1** At a game booth, Mia wins 236 tickets on Saturday and 189 tickets on Sunday. How many tickets does she win altogether?

WORK SPACE

ANSWER _____

- 2** The art club has 700 beads for making bracelets. Students use 286 beads. How many beads are left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Solve $657 + 184$. Then explain how regrouping helped you find the sum.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	$349 + 126 =$	475
2	$802 - 367 =$	435
3	$274 + 518 =$	792
4	$900 - 458 =$	442
5	$631 - 279 =$	352
6	$185 + 406 =$	591

PART 2 • APPLY IT

1. **425 tickets** Add 236 and 189. Mia wins 425 tickets altogether.
2. **414 beads** Subtract 286 from 700. There are 414 beads left.

CHALLENGE

841. I regrouped 1 ten from 11 ones and 1 hundred from 14 tens, so the sum is 841.

Accept standard algorithms or place value strategies that give the exact sums and differences. For the challenge, accept a clear explanation of regrouping ones into a ten and tens into a hundred.