LESSON MAKER PRO

Place Value Power

Use the standard algorithm to solve each problem.

GRADE 4 · 4.NBT.4

4.NBT.4 "Fluently add and subtract (including subtracting across zeros) multi-digit whole numbers using the standard algorithm."

NAME _____ DATE _____

LINE UP AND REGROUP

Line up digits by place value and work from right to left. When adding, regroup if a column totals 10 or more. When subtracting, regroup from the place to the left if you need more, even when you must cross a zero.

WORKED EXAMPLE

60,204 - 27,856 = ____

1. Line up the digits by place value.
2. Regroup 1 hundred as 10 tens, then 1 ten as 10 ones. Subtract: 14 - 6 = 8 and 9 - 5 = 4.
3. Regroup across the 0 in the thousands place. Now subtract the hundreds: 11 - 8 = 3.
4. Subtract the remaining places: 9 - 7 = 2 and 5 - 2 = 3.

Answer: 32,348

PRACTICE 6 problems

1 34,786 + 27,459 = ___

ANSWER _____

2 81,003 - 45,678 = ___

ANSWER _____

3 256,419 + 138,782 = ___

ANSWER _____

4 700,200 - 386,754 = ___

ANSWER _____

5 48,905 + 67,188 = ___

ANSWER _____

6 504,030 - 158,647 = ___

ANSWER _____

APPLY IT Show your work

1 A city aquarium had 125,870 visitors in June and 98,645 visitors in July. How many visitors did it have in those two months? Use the standard algorithm.

WORK SPACE

ANSWER _____

2 By the end of the week, a video about a new game had 400,000 views. It got 176,825 views on the first day. How many views did it get during the rest of the week? Use the standard algorithm.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Find the missing number using the standard algorithm: 603,005 - ___ = 278,469. Show how you checked your answer.

WORK SPACE AND ANSWER

ANSWER KEY

Place Value Power

GRADE 4 · 4.NBT.4

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	34,786 + 27,459 = ___	**62,245**
2	81,003 - 45,678 = ___	**35,325**
3	256,419 + 138,782 = ___	**395,201**
4	700,200 - 386,754 = ___	**313,446**
5	48,905 + 67,188 = ___	**116,093**
6	504,030 - 158,647 = ___	**345,383**

PART 2 · APPLY IT

1. **224,515 visitors** Add the two monthly counts: 125,870 + 98,645 = 224,515.
2. **223,175 views** Subtract the first-day views from the week's total: 400,000 - 176,825 = 223,175.

CHALLENGE

324,536. Check: 278,469 + 324,536 = 603,005.

Accept correctly aligned columns and equivalent regrouping marks. For the challenge, accept a subtraction check instead of the addition check shown.