LESSON MAKER PRO

Smart Number Moves

Add and subtract within 1,000 using a strategy that fits.

GRADE 3 · 3.NOS.D.7

3.NOS.D.7 "Fluently add and subtract within 1,000. Use computational strategies efficiently (e.g., decomposition, partials sums, compensation, make ten/hundred/thousand) to add and subtract. Use properties of operations..."

NAME _____ DATE _____

CHOOSE AN EASY MOVE

When a number is close to a hundred, use that hundred to make the math easier. Then adjust your answer to undo the change. A good strategy makes the steps simpler for you.

WORKED EXAMPLE

Find 467 + 198.

1. Use 200 instead of 198.
2. 467 + 200 = 667
3. Subtract the extra 2: 667 - 2 = 665.

Answer: 665

PRACTICE 6 problems

1 Find 356 + 240.

ANSWER _____

2 Find 428 + 175.

ANSWER _____

3 Find 705 - 260.

ANSWER _____

4 Find 632 - 199.

ANSWER _____

5 Find the missing number: 389 + ___ = 600.

ANSWER _____

6 Find 814 - 376. Explain one strategy you used.

ANSWER _____

APPLY IT Show your work

1 Maya has 348 points in a game. She earns 275 more points. How many points does she have now?

WORK SPACE

ANSWER _____

2 A class collects 800 bottle caps for an art project. They use 365 caps. How many caps are left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Find 583 - 297 in two different ways. Which way is quicker for you? Explain why.

WORK SPACE AND ANSWER

ANSWER KEY

Smart Number Moves

GRADE 3 · 3.NOS.D.7

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find 356 + 240.	**596**
2	Find 428 + 175.	**603**
3	Find 705 - 260.	**445**
4	Find 632 - 199.	**433**
5	Find the missing number: 389 + ___ = 600.	**211**
6	Find 814 - 376. Explain one strategy you used.	**438. Subtract 400, then add back 24: 814 - 400 + 24 = 438.**

PART 2 · APPLY IT

1. **623 points** Add 348 + 275 = 623.
2. **435 caps** Subtract 800 - 365 = 435.

CHALLENGE

286. Subtract 300, then add back 3: 583 - 300 + 3 = 286. Or count up: 297 + 3 = 300, and 300 + 283 = 583, so 3 + 283 = 286. Subtracting 300 is quicker because 297 is close to 300.

Accept any correct addition or subtraction strategy. For the challenge, accept either strategy as quicker if the student explains why it helps.