LESSON MAKER PRO

Number Split Shop

Show a number in two ways.

GRADE 2 · 2.NOS.A.1.c

2.NOS.A.1.c "Compose and decompose three-digit numbers in more than one way (e.g., 439 = 400 + 39 or 439 = 435 + 4)."

NAME _____ DATE _____

THE BIG IDEA

You can split a three-digit number into two parts in more than one way. The parts must add up to the same number each time.

WORKED EXAMPLE

A toy shop has 352 cars. Show 352 in two ways.

1. Start with hundreds, tens, and ones: 352 = 300 + 50 + 2.
2. Put the tens and ones together: 352 = 300 + 52.
3. Put the hundreds and tens together: 352 = 350 + 2.

Answer: 352 = 300 + 52 and 352 = 350 + 2

PRACTICE 5 problems

1 There are 124 marbles. Fill in both blanks: 124 = 100 + ___ and 124 = 120 + ___.

ANSWER _____

2 Leo has 236 stickers. Fill in both blanks: 236 = 200 + ___ and 236 = 230 + ___.

ANSWER _____

3 A pet store has 417 fish. Fill in both blanks: 417 = 400 + ___ and 417 = 410 + ___.

ANSWER _____

4 A school has 563 pencils. Fill in both blanks: 563 = 500 + ___ and 563 = 560 + ___.

ANSWER _____

5 A toy store has 708 blocks. Fill in both blanks: 708 = 700 + ___ and 708 = 705 + ___.

ANSWER _____

APPLY IT Show your work

1 Mia has 275 beads. She puts 200 in a jar. The rest stay on the table. How many stay on the table? Then fill in 275 = 270 + ___.

WORK SPACE

ANSWER _____

2 A library has 642 books. There are 640 books on shelves. The rest are in a cart. How many are in the cart? Then fill in 642 = 600 + ___.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Ava has 731 game tickets. She writes 731 = 700 + 31 and 731 = 720 + 21. Fix the second number sentence by changing only 21. Tell why in one sentence.

WORK SPACE AND ANSWER

ANSWER KEY

Number Split Shop

GRADE 2 · 2.NOS.A.1.c

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	There are 124 marbles. Fill in both blanks: 124 = 100 + ___ and 124 = 120 + ___.	**24; 4**
2	Leo has 236 stickers. Fill in both blanks: 236 = 200 + ___ and 236 = 230 + ___.	**36; 6**
3	A pet store has 417 fish. Fill in both blanks: 417 = 400 + ___ and 417 = 410 + ___.	**17; 7**
4	A school has 563 pencils. Fill in both blanks: 563 = 500 + ___ and 563 = 560 + ___.	**63; 3**
5	A toy store has 708 blocks. Fill in both blanks: 708 = 700 + ___ and 708 = 705 + ___.	**8; 3**

PART 2 · APPLY IT

1. **75 beads; 5** 275 = 200 + 75, so 75 beads stay on the table. Also, 275 = 270 + 5.
2. **2 books; 42** 642 = 640 + 2, so 2 books are in the cart. Also, 642 = 600 + 42.

CHALLENGE

731 = 720 + 11 because 720 + 11 equals 731.

The answers for each practice problem and word problem are listed in the order of the blanks or questions. For the challenge, accept any one-sentence explanation that changes 21 to 11 and shows that the new parts total 731.