LESSON MAKER PRO

Place Value Puzzles

Build numbers with hundreds, tens, and ones.

GRADE 2 · 2.NOS.A.1.a

2.NOS.A.1.a "Compose and decompose three-digit numbers into hundreds, tens, and ones by using objects, drawings, and/or equations (e.g., 328 = 300 + 20 + 8 or 328 is thirty-two tens and 8 ones)."

NAME _____ DATE _____

THE BIG IDEA

A three-digit number has hundreds, tens, and ones. Write the value of each place, then add the values.

WORKED EXAMPLE

A jar has 462 beads. Use the chart to write 462 as a sum.

BEADS

Hundreds	Tens	Ones
4	6	2

1. 4 hundreds = 400
2. 6 tens = 60
3. 2 ones = 2

Answer: 462 = 400 + 60 + 2

PRACTICE 4 problems

1 Mia has 235 stickers. Fill in: 235 = ___ + ___ + ___.

ANSWER _____

2 A game has 3 hundreds, 0 tens, and 7 ones of tokens. How many tokens?

ANSWER _____

3 A shelf holds 580 books. Fill in: 580 = ___ + ___ + ___.

ANSWER _____

4 A store has 1 hundred, 7 tens, and 6 ones of toy cars. How many toy cars?

ANSWER _____

APPLY IT Show your work

1 Lena has 407 arcade tickets. How many hundreds, tens, and ones is that?

WORK SPACE

ANSWER _____

2 The chart shows tickets in a prize box. How many tickets are there?

TICKETS

Hundreds	Tens	Ones
2	3	9

ANSWER _____

CHALLENGE One step up

A shop has 14 packs of 10 fish stickers and 6 single fish stickers. How many hundreds, tens, and ones is that? Tell how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Place Value Puzzles

GRADE 2 · 2.NOS.A.1.a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Mia has 235 stickers. Fill in: 235 = ___ + ___ + ___.	**235 = 200 + 30 + 5**
2	A game has 3 hundreds, 0 tens, and 7 ones of tokens. How many tokens?	**307 tokens**
3	A shelf holds 580 books. Fill in: 580 = ___ + ___ + ___.	**580 = 500 + 80 + 0**
4	A store has 1 hundred, 7 tens, and 6 ones of toy cars. How many toy cars?	**176 toy cars**

PART 2 · APPLY IT

1. **4 hundreds, 0 tens, and 7 ones** 407 = 400 + 0 + 7.
2. **239 tickets** 200 + 30 + 9 = 239 tickets.

CHALLENGE

1 hundred, 4 tens, and 6 ones. 14 tens is 1 hundred and 4 tens, with 6 ones left over.

Accept equivalent place-value equations. For the challenge, accept any explanation that correctly trades 10 tens for 1 hundred.