LESSON MAKER PRO

Trade and Count

Make the same number a new way.

GRADE 2 · 2.NBT.1c

2.NBT.1c "Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; and demonstrate that: Three-digit numbers can be decomposed in multiple ways (e.g., 524 can be decomposed as 5 hundreds..."

NAME _____ DATE _____

TRADE TO RENAME

You can trade 1 hundred for 10 tens. You can also trade 1 ten for 10 ones. The number stays the same.

WORKED EXAMPLE

There are 342 toy cars. Write 342 in two ways.

WAYS TO MAKE 342

Hundreds	Tens	Ones
3	4	2
2	14	2

1. Start with 3 hundreds, 4 tens, and 2 ones.
2. Trade 1 hundred for 10 tens.
3. Now there are 2 hundreds, 14 tens, and 2 ones.

Answer: 3 hundreds, 4 tens, 2 ones; 2 hundreds, 14 tens, 2 ones

PRACTICE 4 problems

1 A jar has 253 beads. Fill in: 1 hundred, ___ tens, 3 ones.

ANSWER _____

2 A shelf has 416 books. Fill in: 3 hundreds, ___ tens, 6 ones.

ANSWER _____

3 A game has 578 points. Fill in: 5 hundreds, 6 tens, ___ ones.

ANSWER _____

4 A box has 465 crayons. Fill in: 2 hundreds, ___ tens, 5 ones.

ANSWER _____

APPLY IT Show your work

1 A class has 2 packs of 100 stickers, 6 packs of 10, and 4 single stickers. Trade 1 pack of 100 for packs of 10. How many packs of 10 are there now?

WORK SPACE

ANSWER _____

2 A shop has 4 sheets of 100 star stickers and 7 single stickers. It trades 2 sheets of 100 for strips of 10. How many strips of 10 does it get?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Ben says 734 stickers is 6 hundreds, 13 tens, and 4 ones. Is Ben right? Tell why.

WORK SPACE AND ANSWER

ANSWER KEY

Trade and Count

GRADE 2 · 2.NBT.1c

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A jar has 253 beads. Fill in: 1 hundred, ___ tens, 3 ones.	**15**
2	A shelf has 416 books. Fill in: 3 hundreds, ___ tens, 6 ones.	**11**
3	A game has 578 points. Fill in: 5 hundreds, 6 tens, ___ ones.	**18**
4	A box has 465 crayons. Fill in: 2 hundreds, ___ tens, 5 ones.	**26**

PART 2 · APPLY IT

1. **16 packs of 10** One pack of 100 makes 10 packs of 10. Add those to the 6 packs of 10.
2. **20 strips of 10** Each sheet of 100 makes 10 strips of 10. Two sheets make 20 strips.

CHALLENGE

Yes. 6 hundreds, 13 tens, and 4 ones make 734.

For the challenge, accept an explanation that 1 hundred was traded for 10 tens, leaving the total at 734.