LESSON MAKER PRO

Place Value Trades

Add and subtract by trading tens and hundreds.

GRADE 2 · 2.NBT.7

2.NBT.7 "Add and subtract within 1,000, using concrete models or drawings and strategies based on place value, properties of addition, and/or the relationship between addition and subtraction: Relate the strategy to a written method and explain the..."

NAME _____ DATE _____

THE BIG IDEA

Add or subtract ones with ones, tens with tens, and hundreds with hundreds. When adding, trade 10 ones for 1 ten if you need to. When subtracting, you can trade 1 ten for 10 ones or 1 hundred for 10 tens.

WORKED EXAMPLE

One box has 248 toy cars. Another box has 135 toy cars. How many toy cars are there in all?

1. Ones: 8 + 5 = 13. Write 3 ones and trade 10 ones for 1 ten.
2. Tens: 4 + 3 + 1 = 8. Write 8 tens.
3. Hundreds: 2 + 1 = 3. Write 3 hundreds.

Answer: 383 toy cars

PRACTICE 5 problems

1 A jar has 126 buttons. You add 147 buttons. How many buttons are in the jar now?

ANSWER _____

2 One shelf has 235 books. Another has 128 books. How many books are on the shelves in all?

ANSWER _____

3 A box has 342 crayons. Kids take 116 crayons. How many crayons are left?

ANSWER _____

4 A shop has 421 stickers. It sells 153 stickers. How many stickers are left?

ANSWER _____

5 A game has 461 cards. Players use 275 cards. How many cards are left?

ANSWER _____

APPLY IT Show your work

1 Mia has 318 beads. Her friend gives her 256 more beads. How many beads does Mia have now?

WORK SPACE

ANSWER _____

2 A school has 632 pencils. Students take 247 pencils. How many pencils are left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game has 604 tickets. Players use 278 tickets. How many tickets are left? Tell how you traded to subtract.

WORK SPACE AND ANSWER

ANSWER KEY

Place Value Trades

GRADE 2 · 2.NBT.7

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A jar has 126 buttons. You add 147 buttons. How many buttons are in the jar now?	**273 buttons**
2	One shelf has 235 books. Another has 128 books. How many books are on the shelves in all?	**363 books**
3	A box has 342 crayons. Kids take 116 crayons. How many crayons are left?	**226 crayons**
4	A shop has 421 stickers. It sells 153 stickers. How many stickers are left?	**268 stickers**
5	A game has 461 cards. Players use 275 cards. How many cards are left?	**186 cards**

PART 2 · APPLY IT

1. **574 beads** Add 318 + 256. Trade 10 ones for 1 ten to get 574.
2. **385 pencils** Subtract 247 from 632. Trade a ten for ones, then a hundred for tens, to get 385.

CHALLENGE

326 tickets. Trade 1 hundred for 10 tens, then trade 1 ten for 10 ones. Subtract to get 326.

Accept a correct written method or place-value explanation. For the challenge, the explanation should show both trades needed to subtract across the zero.