LESSON MAKER PRO

Count the Collection

Add and subtract three-digit numbers.

GRADE 2 · 2.NBT.B.12.a

2.NBT.B.12.a "Explain that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds."

NAME _____ DATE _____

WORK BY PLACE

Add or subtract hundreds with hundreds, tens with tens, and ones with ones. When adding, you may need to make a new ten or hundred. When subtracting, you may need to break a ten or hundred apart.

WORKED EXAMPLE

A class has 246 buttons and gets 178 more. How many buttons does it have now?

1. Ones: 6 + 8 = 14. Write 4 ones and make 1 ten.
2. Tens: 4 + 7 + 1 = 12. Write 2 tens and make 1 hundred.
3. Hundreds: 2 + 1 + 1 = 4. Write 4 hundreds.

Answer: 424 buttons

PRACTICE 5 problems

1 A shelf has 135 toy cars. A box has 127 toy cars. How many toy cars are there in all?

ANSWER _____

2 Mia has 248 marbles. Her friend gives her 163 more. How many marbles does Mia have now?

ANSWER _____

3 Leo has 314 trading cards. He gives away 152. How many cards does he have left?

ANSWER _____

4 A school has 403 crayons. Students use 175 of them. How many crayons are left?

ANSWER _____

5 A jar has 271 blue beads and 158 red beads. How many beads are in the jar?

ANSWER _____

APPLY IT Show your work

1 At a school fair, one game gives out 326 tickets. Another game gives out 185 tickets. How many tickets do the games give out in all?

WORK SPACE

ANSWER _____

2 A library has 452 books on its shelves. Children check out 178 books. How many books are left on the shelves?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A school has 503 stickers. It gives away 267 stickers. How many stickers are left? Explain how you break apart the hundreds and tens to subtract.

WORK SPACE AND ANSWER

ANSWER KEY

Count the Collection

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A shelf has 135 toy cars. A box has 127 toy cars. How many toy cars are there in all?	**262 toy cars**
2	Mia has 248 marbles. Her friend gives her 163 more. How many marbles does Mia have now?	**411 marbles**
3	Leo has 314 trading cards. He gives away 152. How many cards does he have left?	**162 cards**
4	A school has 403 crayons. Students use 175 of them. How many crayons are left?	**228 crayons**
5	A jar has 271 blue beads and 158 red beads. How many beads are in the jar?	**429 beads**

PART 2 · APPLY IT

1. **511 tickets** Add 326 + 185. Make a ten from the ones and a hundred from the tens.
2. **274 books** Subtract 178 from 452. Break apart a ten for the ones, then a hundred for the tens.

CHALLENGE

236 stickers. Break apart 1 hundred into 10 tens, then break apart 1 ten into 10 ones. Subtract 267 from 503 to get 236.

Accept any correct way of showing the place-value regrouping. For the challenge, the explanation should show how 503 can become 4 hundreds, 9 tens, and 13 ones.