LESSON MAKER PRO

Toy Box Totals

Add hundreds, tens, and ones by making trades.

GRADE 2 · 2.NBT.7a

2.NBT.7a "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 _____

MAKE A TRADE

Add the ones, then the tens, then the hundreds. When you have 10 or more in one place, trade 10 for 1 in the next place. Write each trade above the numbers to show your thinking.

WORKED EXAMPLE

A box has 146 red blocks and 127 blue blocks. How many blocks are in the box?

1. Ones: 6 + 7 = 13. Write 3 ones and trade 10 ones for 1 ten.
2. Tens: 4 + 2 + 1 = 7. Write 7 tens.
3. Hundreds: 1 + 1 = 2. Write 2 hundreds.

Answer: 273 blocks

PRACTICE 5 problems

1 A jar has 128 red beads and 135 blue beads. How many beads are in the jar?

ANSWER _____

2 Mia has 237 stickers. She gets 146 more stickers. How many stickers does she have now?

ANSWER _____

3 A shelf has 154 toy cars. Another shelf has 218 toy cars. How many toy cars are on both shelves?

ANSWER _____

4 A game has 265 red marbles and 128 green marbles. How many marbles are there?

ANSWER _____

5 A school has 284 blue crayons and 125 yellow crayons. How many crayons is that?

ANSWER _____

APPLY IT Show your work

1 At a school fair, a game booth gives out 249 blue tickets and 136 green tickets. How many tickets does it give out?

WORK SPACE

ANSWER _____

2 A class has 358 stickers. Their teacher brings 214 more stickers. How many stickers does the class have now?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A toy store has 278 puzzles and gets 165 more. How many puzzles does it have now? Explain your trades in two sentences.

WORK SPACE AND ANSWER

ANSWER KEY

Toy Box Totals

GRADE 2 · 2.NBT.7a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A jar has 128 red beads and 135 blue beads. How many beads are in the jar?	**263 beads**
2	Mia has 237 stickers. She gets 146 more stickers. How many stickers does she have now?	**383 stickers**
3	A shelf has 154 toy cars. Another shelf has 218 toy cars. How many toy cars are on both shelves?	**372 toy cars**
4	A game has 265 red marbles and 128 green marbles. How many marbles are there?	**393 marbles**
5	A school has 284 blue crayons and 125 yellow crayons. How many crayons is that?	**409 crayons**

PART 2 · APPLY IT

1. **385 tickets** Add 249 + 136. Trade 10 of the 15 ones for 1 ten to get 385.
2. **572 stickers** Add 358 + 214. Trade 10 of the 12 ones for 1 ten to get 572.

CHALLENGE

I traded 10 of the 13 ones for 1 ten. Then I traded 10 of the 14 tens for 1 hundred, so the store has 443 puzzles.

Accept any correct written place-value method. For the challenge, look for trades in both the ones and tens places.