LESSON MAKER PRO

Count the Collection

Add and subtract two-digit numbers with tens and ones.

GRADE 2 · 2.N.2.4

2.N.2.4 "Use strategies and algorithms based on knowledge of place value and equality to add and subtract two-digit numbers."

NAME _____ **DATE** _____

TENS AND ONES

Break each number into tens and ones. Add or subtract the tens and ones. If you need more ones to subtract, trade 1 ten for 10 ones.

WORKED EXAMPLE

A jar has 26 blue marbles and 17 green marbles. How many marbles are in the jar?

1. Add the tens: 20 + 10 = 30.
2. Add the ones: 6 + 7 = 13.
3. Put them together: 30 + 13 = 43.

Answer: 43 marbles

PRACTICE 5 problems

1 A box has 35 toy cars. Sam puts 27 more cars in the box. How many cars are in the box now?

ANSWER _____

2 There are 54 crayons. Students use 18 of them. How many crayons are left?

ANSWER _____

3 A basket has 46 red blocks and 25 yellow blocks. How many blocks are in the basket?

ANSWER _____

4 A shop has 73 balloons. It sells 29 balloons. How many balloons are left?

ANSWER _____

5 There are 65 stickers. Of these, 38 are star stickers. The rest are circle stickers. How many circle stickers are there?

ANSWER _____

APPLY IT Show your work

1 At a school fair, 47 children play a ring toss game in the morning. Another 16 play in the afternoon. How many children play the game in all?

WORK SPACE

ANSWER _____

2 A class has 82 paper stars. Students hang up 37 of them. How many paper stars are not hung up?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A toy shelf has 67 cars. Of these, 39 are red. The rest are blue. How many cars are blue? Explain how you used tens and ones.

WORK SPACE AND ANSWER

ANSWER KEY

Count the Collection

GRADE 2 · 2.N.2.4

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A box has 35 toy cars. Sam puts 27 more cars in the box. How many cars are in the box now?	**62 cars**
2	There are 54 crayons. Students use 18 of them. How many crayons are left?	**36 crayons**
3	A basket has 46 red blocks and 25 yellow blocks. How many blocks are in the basket?	**71 blocks**
4	A shop has 73 balloons. It sells 29 balloons. How many balloons are left?	**44 balloons**
5	There are 65 stickers. Of these, 38 are star stickers. The rest are circle stickers. How many circle stickers are there?	**27 circle stickers**

PART 2 · APPLY IT

1. **63 children** Add 47 + 16 = 63.
2. **45 paper stars** Subtract 82 - 37 = 45.

CHALLENGE

28 blue cars. Trade 1 ten in 67 to make 50 + 17. Then subtract 30 + 9 to get 20 + 8 = 28.

Accept another correct place-value explanation for the challenge, such as subtracting 40 and adding 1 back.