

Tens and Ones

Use place value to explain your math.

GRADE 2 • 2.NBT.B.9

CCSS.Math.Content.2.NBT.B.9 "Explain why addition and subtraction strategies work, using place value and the properties of operations. 1"

NAME _____

DATE _____

PART 1: PRACTICE

Break each number into tens and ones. Add or subtract the tens and ones, then put the parts back together.

WORKED EXAMPLE

A shelf has 34 puzzles. Add 25 more puzzles. How many puzzles are there?

1. $30 + 20 = 50$

2. $4 + 5 = 9$

3. $50 + 9 = 59$

Answer: 59 puzzles

PRACTICE 4 problems

- 1** Lena has 42 beads. She gets 16 more. How many beads? Show tens and ones.

ANSWER _____

- 2** A pet shop has 63 fish. It sells 21 fish. How many fish are left? Show tens and ones.

ANSWER _____

- 3** Diego has 27 game cards. He gets 31 more. How many cards? Show tens and ones.

ANSWER _____

- 4** A dog has 75 treats. It eats 24 treats. How many treats are left? Show tens and ones.

ANSWER _____

APPLY IT Show your work

- 1** Riley collects 54 shiny rocks and finds 32 more. How many rocks does Riley have? Explain with tens and ones.

WORK SPACE

ANSWER _____

- 2** An animal shelter has 93 cat-food cans. It gives 41 cans to foster homes. How many cans are left? Explain with tens and ones.

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Milo has 46 trading cards and gets 28 more. How many cards does he have? Explain why 6 ones + 8 ones make a new ten.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Lena has 42 beads. She gets 16 more. How many beads? Show tens and ones.	58 beads. 4 tens + 1 ten = 5 tens, and 2 ones + 6 ones = 8 ones.
2	A pet shop has 63 fish. It sells 21 fish. How many fish are left? Show tens and ones.	42 fish. 6 tens - 2 tens = 4 tens, and 3 ones - 1 one = 2 ones.
3	Diego has 27 game cards. He gets 31 more. How many cards? Show tens and ones.	58 cards. 2 tens + 3 tens = 5 tens, and 7 ones + 1 one = 8 ones.
4	A dog has 75 treats. It eats 24 treats. How many treats are left? Show tens and ones.	51 treats. 7 tens - 2 tens = 5 tens, and 5 ones - 4 ones = 1 one.

PART 2 • APPLY IT

1. **86 rocks** 5 tens + 3 tens = 8 tens, and 4 ones + 2 ones = 6 ones.
2. **52 cans** 9 tens - 4 tens = 5 tens, and 3 ones - 1 one = 2 ones.

CHALLENGE

74 cards. 6 ones + 8 ones = 14 ones, or 1 ten and 4 ones. 4 tens + 2 tens + 1 new ten = 7 tens.

Accept drawings, equations, or words that correctly show tens and ones. For the challenge, accept any explanation that trades 10 ones for 1 ten.