

Add It Together

Use tens, ones, and helpful pairs to add four two-digit numbers.

GRADE 2 • NY-2.NBT.6

NY-2.NBT.6 "Add up to four two-digit numbers using strategies based on place value and properties of operations."

NAME _____

DATE _____

MAKE FRIENDLY GROUPS

Add the tens and ones in a way that is easy to see. You can put numbers together to make a friendly total, then add the groups. When the ones make 10 or more, trade 10 ones for 1 ten.

WORKED EXAMPLE

Four sticker packs have 14, 25, 31, and 22 stickers. How many stickers are there altogether?

1. Put 14 and 25 together: $14 + 25 = 39$.
2. Put 31 and 22 together: $31 + 22 = 53$.
3. Add the two totals: $39 + 53 = 92$.

Answer: 92 stickers

PRACTICE 5 problems

- 1** A toy shelf has 18 cars, 24 dolls, and 16 puzzles. How many toys are on the shelf?

ANSWER _____

- 2** Three pet bowls hold 27 pieces, 33 pieces, and 19 pieces of food. How many pieces of food are there?

ANSWER _____

- 3** Four friends have 42, 15, 23, and 11 beads. How many beads do they have altogether?

ANSWER _____

- 4** Four baskets hold 36 apples, 28 oranges, 17 bananas, and 12 pears. How many pieces of fruit are there?

ANSWER _____

- 5** A game box has 44 red cards, 26 blue cards, and 13 green cards. How many cards are in the box?

ANSWER _____

APPLY IT Show your work

- 1** At the school fair, four tables sold 21, 34, 18, and 16 tickets. How many tickets did the tables sell altogether?

WORK SPACE

ANSWER _____

- 2** Maya puts 29 blocks in one bin, 32 blocks in another bin, and 24 blocks in a third bin. How many blocks does Maya put in the bins?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Four teams collect 38, 27, 16, and 19 cans. How many cans do they collect altogether? Explain how you grouped the numbers.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A toy shelf has 18 cars, 24 dolls, and 16 puzzles. How many toys are on the shelf?	58 toys
2	Three pet bowls hold 27 pieces, 33 pieces, and 19 pieces of food. How many pieces of food are there?	79 pieces
3	Four friends have 42, 15, 23, and 11 beads. How many beads do they have altogether?	91 beads
4	Four baskets hold 36 apples, 28 oranges, 17 bananas, and 12 pears. How many pieces of fruit are there?	93 pieces of fruit
5	A game box has 44 red cards, 26 blue cards, and 13 green cards. How many cards are in the box?	83 cards

PART 2 • APPLY IT

1. **89 tickets** Add $21 + 34 = 55$ and $18 + 16 = 34$. Then add $55 + 34 = 89$.
2. **85 blocks** Add $29 + 32 = 61$. Then add $61 + 24 = 85$.

CHALLENGE

100 cans. Sample reasoning: I added $38 + 27 = 65$ and $16 + 19 = 35$. Then I added $65 + 35 = 100$.

Accept correct totals with labels when a label is requested. Students may group the addends in any order and may use place-value drawings, partial sums, or friendly pairs.