

Make Ten Math

Use smart facts to add and subtract within 20.

GRADE 2 • 2.CE.1.d

2.CE.1.d "Demonstrate fluency with addition and subtraction within 20 by applying reasoning strategies (e.g., doubles, near doubles, make-a-ten, compensations, inverse relationships)."

NAME _____

DATE _____

MAKE A TEN

When you add, you can break apart a number to make 10 first. When you subtract, use a fact you know, such as a double, to help you find the answer.

WORKED EXAMPLE

Ava has 7 buttons. She gets 6 more buttons. How many buttons does Ava have?

1. Break 6 into 3 and 3.
2. $7 + 3 = 10$.
3. $10 + 3 = 13$.

Answer: 13 buttons

PRACTICE 5 problems

- 1** Lena has 9 toy cars. She gets 8 more toy cars. How many toy cars does she have?

ANSWER _____

- 2** A crayon box has 16 crayons. A child uses 8 crayons. How many crayons are left?

ANSWER _____

- 3** Kai has 11 grapes. He gets 5 more grapes. How many grapes does he have?

ANSWER _____

- 4** There are 19 stickers. Mia gives 5 stickers to a friend. How many stickers are left?

ANSWER _____

- 5** A jar has 12 marbles. Put 8 more marbles in the jar. How many marbles are in the jar?

ANSWER _____

APPLY IT Show your work

- 1** Noah has 18 trading cards. He gives 9 cards to his cousin. How many trading cards does Noah have left?

WORK SPACE

ANSWER _____

- 2** A snack tray has 12 apple slices. Four slices are eaten. How many apple slices are left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A pet shop has 18 fish. Nine fish are goldfish. The rest are silver fish. How many silver fish are there? Explain how you know.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Lena has 9 toy cars. She gets 8 more toy cars. How many toy cars does she have?	17 toy cars
2	A crayon box has 16 crayons. A child uses 8 crayons. How many crayons are left?	8 crayons
3	Kai has 11 grapes. He gets 5 more grapes. How many grapes does he have?	16 grapes
4	There are 19 stickers. Mia gives 5 stickers to a friend. How many stickers are left?	14 stickers
5	A jar has 12 marbles. Put 8 more marbles in the jar. How many marbles are in the jar?	20 marbles

PART 2 • APPLY IT

1. **9 trading cards** Use the double fact $9 + 9 = 18$. So $18 - 9 = 9$.
2. **8 apple slices** Subtract 4 from 12. $12 - 4 = 8$.

CHALLENGE

9 silver fish. $9 + 9 = 18$, so $18 - 9 = 9$.

Accept correct answers with or without unit words. For the challenge, accept any clear explanation using the double fact or a related addition fact.