LESSON MAKER PRO

Make Ten Moves

Show how joining and taking away change a group.

GRADE 2 · 2.NOS.C.9.d

2.NOS.C.9.d "Represent and explain the calculation by connecting the strategy used to the meaning of addition and subtraction."

NAME _____ **DATE** _____

THE BIG IDEA

Add when more things join a group. Subtract when things leave a group. You can break apart a number to reach 10 first, then add or subtract what is left.

WORKED EXAMPLE

There are 8 marbles. You get 5 more marbles. How many marbles are there now?

1. Break 5 into 2 and 3.
2. Add 2 marbles: 8 + 2 = 10.
3. Add the 3 marbles left: 10 + 3 = 13.

Answer: 13 marbles

PRACTICE 5 problems

1 Mia has 9 beads. She gets 6 more. Show how you make 10. How many beads does she have now?

ANSWER _____

2 There are 7 toy cars. Sam adds 4 more. Show how you make 10. How many toy cars are there now?

ANSWER _____

3 A box has 16 crayons. You take away 7. Show how you reach 10. How many crayons are left?

ANSWER _____

4 There are 18 stickers. You give away 9. Show how you reach 10. How many stickers are left?

ANSWER _____

5 A jar has 6 buttons. You put in 6 more. Show how you make 10. How many buttons are in the jar now?

ANSWER _____

APPLY IT Show your work

1 A class has 12 library books. The teacher brings 6 more. How many library books does the class have now? Show how you know.

WORK SPACE

ANSWER _____

2 There are 19 kids on the playground. Then 4 kids go inside. How many kids are still on the playground? Show how you know.

WORK SPACE

ANSWER _____

CHALLENGE One step up

You have 9 game cards. A friend gives you 7 more. Show how you make 10 to find the total. In one sentence, explain why you add.

WORK SPACE AND ANSWER

ANSWER KEY

Make Ten Moves

GRADE 2 · 2.NOS.C.9.d

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Mia has 9 beads. She gets 6 more. Show how you make 10. How many beads does she have now?	**9 + 1 = 10; 10 + 5 = 15 beads**
2	There are 7 toy cars. Sam adds 4 more. Show how you make 10. How many toy cars are there now?	**7 + 3 = 10; 10 + 1 = 11 toy cars**
3	A box has 16 crayons. You take away 7. Show how you reach 10. How many crayons are left?	**16 - 6 = 10; 10 - 1 = 9 crayons**
4	There are 18 stickers. You give away 9. Show how you reach 10. How many stickers are left?	**18 - 8 = 10; 10 - 1 = 9 stickers**
5	A jar has 6 buttons. You put in 6 more. Show how you make 10. How many buttons are in the jar now?	**6 + 4 = 10; 10 + 2 = 12 buttons**

PART 2 · APPLY IT

1. **18 library books** Add because the books join the group: 12 + 6 = 18.
2. **15 kids** Subtract because 4 kids leave: 19 - 4 = 15.

CHALLENGE

9 + 1 = 10, and 10 + 6 = 16 cards. I add because 7 more cards join the 9 cards.

Accept other correct steps that show how the group changes. For problems 1 through 5, students should show a step that reaches 10.