LESSON MAKER PRO

Switch and Add

Change the order. Keep the total.

GRADE 2 · 2.CE.1.f

2.CE.1.f "Use patterns, models, and strategies to make generalizations about the algebraic properties for fluency (e.g., 4 + 3 is equal to 3 + 4; 0 + 8 = 8)."

NAME _____ DATE _____

THE BIG IDEA

When you add two groups, you can switch their order. The total stays the same. Adding zero means no new items, so the total stays the same.

WORKED EXAMPLE

There are 6 yellow balloons and 2 green balloons. Complete: 6 + 2 = 2 + ___.

1. 6 + 2 = 8.
2. Switch the groups: 2 + 6 = 8.
3. The blank is 6.

Answer: 6

PRACTICE 5 problems

1 A toy shelf has 3 drums and 4 balls. Complete: 3 + 4 = 4 + ___.

ANSWER _____

2 A pond has 0 turtles by a rock and 7 turtles by reeds. Complete: 0 + 7 = ___.

ANSWER _____

3 A snack plate has 1 orange slice and 9 apple slices. Complete: 1 + 9 = 9 + ___.

ANSWER _____

4 A pet bed has 0 kittens sleeping. Then 5 kittens climb in. Complete: 0 + 5 = ___.

ANSWER _____

5 A box has 11 crayons and 3 markers. Complete: 11 + 3 = 3 + ___.

ANSWER _____

APPLY IT Show your work

1 Jada puts 4 game cards in a pile. Then she puts 9 more game cards in the pile. Her brother puts 9 cards in a pile, then 4 more cards. How many cards are in each pile?

WORK SPACE

ANSWER _____

2 At a pet show, 0 rabbits wear bows and 11 dogs wear bows. How many pets wear bows?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A bead tray has 12 red beads and 5 blue beads. Sam says 12 + 5 = 5 + 12. Is Sam right? Explain.

WORK SPACE AND ANSWER

ANSWER KEY

Switch and Add

GRADE 2 · 2.CE.1.f

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A toy shelf has 3 drums and 4 balls. Complete: 3 + 4 = 4 + ___.	**3**
2	A pond has 0 turtles by a rock and 7 turtles by reeds. Complete: 0 + 7 = ___.	**7**
3	A snack plate has 1 orange slice and 9 apple slices. Complete: 1 + 9 = 9 + ___.	**1**
4	A pet bed has 0 kittens sleeping. Then 5 kittens climb in. Complete: 0 + 5 = ___.	**5**
5	A box has 11 crayons and 3 markers. Complete: 11 + 3 = 3 + ___.	**11**

PART 2 · APPLY IT

1. **13 cards** Both piles have the same two groups, 4 and 9. 4 + 9 = 9 + 4 = 13.
2. **11 pets** Adding zero does not add any pets. 0 + 11 = 11.

CHALLENGE

Yes. Both orders have 17 beads.

Accept the correct number in each blank. For the challenge, accept an explanation that switching the order of addends keeps the total the same.