LESSON MAKER PRO

Equal or Not?

Compare both sides before you choose a symbol.

GRADE 2 · 2.CE.1.j

2.CE.1.j "Represent and justify the relationship between values and expressions as equal or not equal using appropriate models and/or symbols (e.g., 9 + 24 = 10 + 23; 45 - 9 = 46 - 10; 15 +16 ≠ 31 +15)."

NAME _____ DATE _____

MATCH THE VALUES

Find the value on each side of the comparison. Use = when both sides have the same value. Use ≠ when the values are different.

WORKED EXAMPLE

Ava has 7 red beads and 8 blue beads. Ben has 6 red beads and 9 blue beads. Is 7 + 8 equal to 6 + 9?

1. Find the first total: 7 + 8 = 15.
2. Find the second total: 6 + 9 = 15.
3. Both totals are 15, so use =.

Answer: 7 + 8 = 6 + 9

PRACTICE 5 problems

1 Mia has 12 stickers. Leo has 10 stickers and 2 more stickers. Write = or ≠: 12 ___ 10 + 2

ANSWER _____

2 One toy train has 14 cars. Another toy train has 11 cars and 4 cars. Write = or ≠: 14 ___ 11 + 4

ANSWER _____

3 A puppy sees 13 balls. A kitten sees 5 balls and 5 balls. Write = or ≠: 13 ___ 5 + 5

ANSWER _____

4 Noah has 10 crackers and 3 crackers. Priya has 12 crackers. Write = or ≠: 10 + 3 ___ 12

ANSWER _____

5 One shelf holds 16 books. Another shelf holds 11 books and 5 books. Write = or ≠: 16 ___ 11 + 5

ANSWER _____

APPLY IT Show your work

1 At an arcade, Jada wins 12 tickets. Omar wins 10 tickets and then 2 more tickets. Do they have equal numbers of tickets? Write an equation with = or ≠.

WORK SPACE

ANSWER _____

2 One fish tank has 14 fish. Another fish tank has 12 fish and 3 fish. Do the tanks have equal numbers of fish? Write an equation with = or ≠.

WORK SPACE

ANSWER _____

CHALLENGE One step up

At the library, one cart has 13 books and 4 books. Another cart has 12 books and 5 books. Write = or ≠, then explain how you know: 13 + 4 ___ 12 + 5

WORK SPACE AND ANSWER

ANSWER KEY

Equal or Not?

GRADE 2 · 2.CE.1.j

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Mia has 12 stickers. Leo has 10 stickers and 2 more stickers. Write = or ≠: 12 ___ 10 + 2	**12 = 10 + 2**
2	One toy train has 14 cars. Another toy train has 11 cars and 4 cars. Write = or ≠: 14 ___ 11 + 4	**14 ≠ 11 + 4**
3	A puppy sees 13 balls. A kitten sees 5 balls and 5 balls. Write = or ≠: 13 ___ 5 + 5	**13 ≠ 5 + 5**
4	Noah has 10 crackers and 3 crackers. Priya has 12 crackers. Write = or ≠: 10 + 3 ___ 12	**10 + 3 ≠ 12**
5	One shelf holds 16 books. Another shelf holds 11 books and 5 books. Write = or ≠: 16 ___ 11 + 5	**16 = 11 + 5**

PART 2 · APPLY IT

1. **12 = 10 + 2** Omar has 10 + 2, which is 12 tickets. The amounts are equal.
2. **14 ≠ 12 + 3** The second tank has 12 + 3, which is 15 fish. Fourteen and 15 are not equal.

CHALLENGE

13 + 4 = 12 + 5 because both sides equal 17.

Accept = or ≠ written in the blank, or a complete comparison equation. For the challenge, accept an explanation that both expressions have a value of 17.