

Math Claim Detectives

Solve, check, and explain.

GRADE 2 • 2.MP.3

2.MP.3 "Construct viable arguments and critique the reasoning of others."

NAME _____

DATE _____

CHECK THE CLAIM

Solve the story first. Then check the answer and tell why it is right or wrong.

WORKED EXAMPLE

Noah has 9 toy cars. He gets 6 more. Noah says he has 14. Is he right?

1. Add: $9 + 6 = 15$.
2. Compare 15 and 14.
3. Noah's claim is wrong.

Answer: No. Noah has 15 toy cars.

PRACTICE 4 problems

- 1** Mia has 4 red blocks and 3 blue blocks. Mia says she has 8 blocks. Is Mia right?

ANSWER _____

- 2** Eli has 8 balloons. 1 balloon pops. Eli says $8 - 1 = 7$. Does his check make sense?

ANSWER _____

- 3** Sam has 2 puppy treats. He gets 2 more. Sam says he has 5 treats. Is Sam right?

ANSWER _____

- 4** Bea has 10 shells. She gives 3 away. Bea says she has 8 shells. Is Bea right?

ANSWER _____

APPLY IT Show your work

- 1** Kai has 12 trading cards. He gives 5 cards to a friend. Kai says he has 8 cards left. Is Kai right? Explain.

WORK SPACE

ANSWER _____

- 2** A game team has 13 points. The team earns 4 more points. Lee says the team has 16 points. Is Lee right? Explain.

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Rosa has 18 beads. She gives 7 beads away. Rosa says she has 11 beads left. Omar says she has 12 beads left. Who is right? Use an addition check.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Mia has 4 red blocks and 3 blue blocks. Mia says she has 8 blocks. Is Mia right?	No. $4 + 3 = 7$, so Mia has 7 blocks.
2	Eli has 8 balloons. 1 balloon pops. Eli says $8 - 1 = 7$. Does his check make sense?	Yes. $7 + 1 = 8$.
3	Sam has 2 puppy treats. He gets 2 more. Sam says he has 5 treats. Is Sam right?	No. $2 + 2 = 4$, so Sam has 4 treats.
4	Bea has 10 shells. She gives 3 away. Bea says she has 8 shells. Is Bea right?	No. $10 - 3 = 7$, so Bea has 7 shells.

PART 2 • APPLY IT

1. **No. Kai has 7 cards left.** Subtract 5 from 12. Check: $7 + 5 = 12$.
2. **No. The team has 17 points.** Add 13 and 4. Lee's total is 1 too small.

CHALLENGE

Rosa is right. $11 + 7 = 18$.

Accept correct totals with a matching addition or subtraction check. Accept short explanations that clearly say whether the claim is right or wrong.