LESSON MAKER PRO

Math Talk Checks

Solve, check, and discuss each strategy.

GRADES K-12 · MA.K12.MTR.4

MA.K12.MTR.4 "Engage in discussions that reflect on the mathematical thinking of self and others."

NAME _____ DATE _____

CHECK THE THINKING

Solve the problem, then check it a different way. When you discuss an answer, say if you agree and use math to tell why.

WORKED EXAMPLE

A snack table has 17 apples and 26 oranges. Ben says there are 43 pieces of fruit. Check Ben's thinking.

1. Add 17 + 20 = 37.
2. Add 37 + 6 = 43.
3. Check: 43 - 26 = 17.
4. Ben's answer checks.

Answer: Ben is correct. There are 43 pieces of fruit.

PRACTICE 5 problems

1 Lena has 34 stickers and gets 27 more. Kai says 34 + 27 = 51. Is Kai correct? Show a check.

ANSWER _____

2 At recess, 63 kids are playing. Nineteen go inside. Omar says 63 - 19 = 44. Check Omar's answer.

ANSWER _____

3 A comic shelf has 46 comics. Nine are borrowed. Priya says 37 are left. Is her answer reasonable? Explain.

ANSWER _____

4 A class earns 25 points Monday and 38 points Tuesday. Theo adds 20 + 30 and 5 + 8. What should Theo say?

ANSWER _____

5 Noah has 72 beads and uses 36. He says, "I subtracted 30, then 6, and got 36." Check his thinking.

ANSWER _____

APPLY IT Show your work

1 The robotics club needs 85 batteries and has 47. Jada says it needs 38 more because 47 + 38 = 85. Luis says it needs 48 more. Who is correct? Explain.

WORK SPACE

ANSWER _____

2 The art booth starts with 90 buttons and sells 37. Ava says 53 buttons remain. Ben says 57 remain. Who is correct? Explain.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game fundraiser earns 128 points in round one and 76 points in round two. Nia says the total is 194. Eli says the total is 204. Who is correct? Explain why.

WORK SPACE AND ANSWER

ANSWER KEY

Math Talk Checks

GRADES K-12 · MA.K12.MTR.4

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Lena has 34 stickers and gets 27 more. Kai says 34 + 27 = 51. Is Kai correct? Show a check.	**No. 34 + 27 = 61. Check: 34 + 20 + 7 = 61.**
2	At recess, 63 kids are playing. Nineteen go inside. Omar says 63 - 19 = 44. Check Omar's answer.	**Omar is correct. 63 - 20 + 1 = 44.**
3	A comic shelf has 46 comics. Nine are borrowed. Priya says 37 are left. Is her answer reasonable? Explain.	**Yes. 46 - 9 = 37, and 37 + 9 = 46.**
4	A class earns 25 points Monday and 38 points Tuesday. Theo adds 20 + 30 and 5 + 8. What should Theo say?	**Theo should say the class earned 63 points. 20 + 30 = 50 and 5 + 8 = 13, so 50 + 13 = 63.**
5	Noah has 72 beads and uses 36. He says, "I subtracted 30, then 6, and got 36." Check his thinking.	**Noah is correct. 72 - 30 = 42 and 42 - 6 = 36.**

PART 2 · APPLY IT

1. **Jada is correct. The club needs 38 more batteries.** Subtract 85 - 47 = 38. Check by adding 47 + 38 = 85.
2. **Ava is correct. 53 buttons remain.** Subtract 30, then 7: 90 - 30 = 60 and 60 - 7 = 53.

CHALLENGE

Eli is correct. 128 + 76 = 204. Regroup 8 + 6 = 14, then 2 + 7 + 1 = 10, so the hundreds total is 2.

Accept clear equivalent checking strategies, such as addition to check subtraction. Students should name whether they agree or disagree and support the claim with correct math.