LESSON MAKER PRO

Does It Fit?

Solve, check, and decide if an answer makes sense.

GRADES K-12 · MA.K12.MTR.6.1

MA.K12.MTR.6.1 "Assess the reasonableness of solutions. Mathematicians who assess the reasonableness of solutions: Estimate to discover possible solutions. Use benchmark quantities to determine if a solution makes sense..."

NAME _____ DATE _____

CHECK YOUR ANSWER

First, think about whether the amount should get bigger or smaller. Use a number you know, such as 5 or 10, to estimate, then count to check and tell why your answer makes sense.

WORKED EXAMPLE

Rosa has 8 beads. She finds 3 more beads. Rosa says she has 12 beads. Does her answer make sense?

1. 8 is close to 10, so 8 and 3 should be a little more than 10.
2. Count on 3 from 8: 9, 10, 11.
3. Rosa has 11 beads, not 12.

Answer: No. 8 + 3 = 11.

PRACTICE 6 problems

1 Sam has 4 toy cars. He gets 1 more toy car. Sam says he has 6 toy cars. Does his answer make sense?

ANSWER _____

2 Ava has 5 stickers. She gives 2 stickers away. Ava says she has 3 stickers left. Does her answer make sense?

ANSWER _____

3 A shelf has 6 books. Dad puts 4 more books on the shelf. Leo says there are 9 books. Does his answer make sense?

ANSWER _____

4 There are 7 fish in a tank. 1 fish swims into another tank. Kim says 6 fish are left. Does her answer make sense?

ANSWER _____

5 A table has 10 cups. A teacher puts 5 more cups on the table. Ben says there are 14 cups. Does his answer make sense?

ANSWER _____

6 Nia has 9 crayons. She finds 6 more crayons. Nia says she has 15 crayons. Does her answer make sense?

ANSWER _____

APPLY IT Show your work

1 At recess, 4 children are already in line for the slide. Then 5 more children get in line. Noor says that 10 children are in line. Is Noor correct? Tell why.

WORK SPACE

ANSWER _____

2 At the art center, 6 children have paint smocks on. Then 4 more children put on smocks. Eli says that 10 children have smocks on. Is Eli correct? Tell why.

WORK SPACE

ANSWER _____

CHALLENGE One step up

There are 10 toy cars in a bin. Four toy cars are taken out. Then 5 toy cars are put in. Jay says there are 9 toy cars in the bin. Is Jay correct? Show or tell how you checked.

WORK SPACE AND ANSWER

ANSWER KEY

Does It Fit?

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Sam has 4 toy cars. He gets 1 more toy car. Sam says he has 6 toy cars. Does his answer make sense?	**No. 4 + 1 = 5.**
2	Ava has 5 stickers. She gives 2 stickers away. Ava says she has 3 stickers left. Does her answer make sense?	**Yes. 5 - 2 = 3.**
3	A shelf has 6 books. Dad puts 4 more books on the shelf. Leo says there are 9 books. Does his answer make sense?	**No. 6 + 4 = 10.**
4	There are 7 fish in a tank. 1 fish swims into another tank. Kim says 6 fish are left. Does her answer make sense?	**Yes. 7 - 1 = 6.**
5	A table has 10 cups. A teacher puts 5 more cups on the table. Ben says there are 14 cups. Does his answer make sense?	**No. 10 + 5 = 15.**
6	Nia has 9 crayons. She finds 6 more crayons. Nia says she has 15 crayons. Does her answer make sense?	**Yes. 9 + 6 = 15.**

PART 2 · APPLY IT

1. **No. There are 9 children in line.** Add the children already in line and the children who join: 4 + 5 = 9. Noor's answer is 1 too many.
2. **Yes. 10 children have smocks on.** Add 6 and 4 to get 10. Eli's answer makes sense because the number of children got bigger.

CHALLENGE

No. 10 - 4 = 6, and 6 + 5 = 11. There are 11 toy cars.

Accept a correct yes or no answer with the matching equation or a clear counting explanation. For explanation items, accept wording that shows the student checked whether the amount should increase or decrease.