LESSON MAKER PRO

Story Math Maps

Model each story, solve it, and check.

GRADES K-12 · MA.K12.MTR.2

MA.K12.MTR.2 "Demonstrate understanding by representing problems in multiple ways."

NAME _____ DATE _____

SHOW THE STORY

First, decide if the story puts together or takes away. Show it with an equation and with its parts and whole. Solve, then check that both forms show the same total.

WORKED EXAMPLE

Nico has 6 blue beads and 8 orange beads. How many beads does he have?

1. Use 6 and 8 as the parts.
2. Write 6 + 8 = 14.
3. Check: parts 6 and 8 make whole 14.

Answer: 14 beads

PRACTICE 5 problems

1 Ava has 9 stickers. She gets 4 more. Write an equation and name the parts and whole.

ANSWER _____

2 Ben has 15 game cards. He gives 5 away. Write an equation and name the parts and whole.

ANSWER _____

3 Kai finds 11 leaves, then finds 2 more. Write an equation and name the parts and whole.

ANSWER _____

4 There are 17 balloons at a party. 4 balloons pop. Write an equation and name the parts and whole.

ANSWER _____

5 Rosa has 10 crayons. She gets 7 more crayons. Write an equation and name the parts and whole.

ANSWER _____

APPLY IT Show your work

1 At an arcade, Jada has 20 tickets. She spends 9 tickets on a game. How many tickets does she have left? Show an equation and parts and whole. Check with addition.

WORK SPACE

ANSWER _____

2 A team needs 16 players for a game. 12 players have joined. How many more players are needed? Show an equation and parts and whole. Check with addition.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Mia earns 18 points in a video game. She loses 7 points, then earns 4 points. What is her final score? Show two equations, explain what each equation shows, and check your answer.

WORK SPACE AND ANSWER

ANSWER KEY # Story Math Maps

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Ava has 9 stickers. She gets 4 more. Write an equation and name the parts and whole.	**9 + 4 = 13. Parts: 9 and 4; whole: 13.**
2	Ben has 15 game cards. He gives 5 away. Write an equation and name the parts and whole.	**15 - 5 = 10. Parts: 5 and 10; whole: 15.**
3	Kai finds 11 leaves, then finds 2 more. Write an equation and name the parts and whole.	**11 + 2 = 13. Parts: 11 and 2; whole: 13.**
4	There are 17 balloons at a party. 4 balloons pop. Write an equation and name the parts and whole.	**17 - 4 = 13. Parts: 4 and 13; whole: 17.**
5	Rosa has 10 crayons. She gets 7 more crayons. Write an equation and name the parts and whole.	**10 + 7 = 17. Parts: 10 and 7; whole: 17.**

PART 2 · APPLY IT

1. **20 - 9 = 11. Parts: 9 and 11; whole: 20. Check: 11 + 9 = 20.** Subtract the tickets Jada spends from her starting tickets. Add the answer and 9 to check for 20.
2. **16 - 12 = 4. Parts: 12 and 4; whole: 16. Check: 4 + 12 = 16.** Find the missing part by subtracting 12 from 16. Add 4 and 12 to check for 16.

CHALLENGE

18 - 7 = 11; 11 + 4 = 15. The first equation shows the points she lost, and the second shows the points she earned. Check: 15 - 4 + 7 = 18.

Accept equations with addends in either order and clear part-whole labels. For subtraction stories, accept a matching addition equation as the check.