

Pick Your Tool

Choose a smart math tool for each story.

GRADE 2 • 2.MP.5

2.MP.5 "Use appropriate tools strategically."

NAME _____

DATE _____

CHOOSE A HELPFUL TOOL

A number line can help you count on or back, and tally marks can help you keep track. Use a fact you know when it is quicker. Pick a tool, then use the opposite action to check your answer.

WORKED EXAMPLE

Jamal has 8 toy cars. He gets 5 more toy cars. How many toy cars does he have now?

1. Use a number line to count on.
2. Start at 8.
3. Count 5 jumps: 9, 10, 11, 12, 13.
4. Check: $13 - 5 = 8$.

Answer: Jamal has 13 toy cars.

PRACTICE 5 problems

- 1** Tara has 4 stickers. She gets 3 more stickers. Choose a tool. Write its name, solve, and check.

ANSWER _____

- 2** There are 12 birds on a fence. 2 birds fly away. Choose a tool. Write its name, solve, and check.

ANSWER _____

- 3** Nia has 9 blocks. Her friend gives her 1 more block. Choose a tool. Write its name, solve, and check.

ANSWER _____

- 4** Omar has 11 crackers. He eats 4 crackers. Choose a tool. Write its name, solve, and check.

ANSWER _____

- 5** Lee has 6 red balloons and 6 blue balloons. Choose a tool. Write its name, solve, and check.

ANSWER _____

APPLY IT Show your work

- 1** At a pet shelter, 14 kittens are playing. 2 kittens go to sleep. Choose a tool that fits. How many kittens are still playing? Show how you checked.

WORK SPACE

ANSWER _____

- 2** Maya has 9 game cards. Her cousin gives her 3 more game cards. Choose a tool that fits. How many game cards does Maya have? Show how you checked.

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Ava has 17 buttons. She finds 2 more buttons. Which tool is faster, tally marks or counting on with a number line? Explain why. Then solve and check.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Tara has 4 stickers. She gets 3 more stickers. Choose a tool. Write its name, solve, and check.	Number line: $4 + 3 = 7$. Check: $7 - 3 = 4$. Tara has 7 stickers.
2	There are 12 birds on a fence. 2 birds fly away. Choose a tool. Write its name, solve, and check.	Number line: $12 - 2 = 10$. Check: $10 + 2 = 12$. There are 10 birds left.
3	Nia has 9 blocks. Her friend gives her 1 more block. Choose a tool. Write its name, solve, and check.	Number line: $9 + 1 = 10$. Check: $10 - 1 = 9$. Nia has 10 blocks.
4	Omar has 11 crackers. He eats 4 crackers. Choose a tool. Write its name, solve, and check.	Number line: $11 - 4 = 7$. Check: $7 + 4 = 11$. Omar has 7 crackers left.
5	Lee has 6 red balloons and 6 blue balloons. Choose a tool. Write its name, solve, and check.	Doubles fact: $6 + 6 = 12$. Check: $12 - 6 = 6$. Lee has 12 balloons.

PART 2 • APPLY IT

- 12 kittens are still playing.** A number line helps count back 2 from 14 to 12. Check with $12 + 2 = 14$.
- Maya has 12 game cards.** A number line helps count on 3 from 9 to 12. Check with $12 - 3 = 9$.

CHALLENGE

Counting on with a number line is faster because only 2 are added. $17 + 2 = 19$. Check: $19 - 2 = 17$.

Accept any reasonable tool, such as a number line, tally marks, a quick picture, or a known fact, when the work and answer are correct. Accept equivalent check equations written in either order.