LESSON MAKER PRO

Find the Missing Part

Use addition and subtraction within 20.

GRADE 2 · 2.CE.1.g

2.CE.1.g "Determine the missing number in an equation (number sentence) through modeling and justification with addition and subtraction within 20 (e.g., 3 + = 5 or + 2 = 5; 5 – = 3 or 5 – 2 =)."

NAME _____ **DATE** _____

FIND THE BLANK

In an addition sentence, the blank is the part needed to make the total. In a subtraction sentence, use the total and the known part to find the missing part. Count on or subtract to find the blank.

WORKED EXAMPLE

A train set has 3 toy trains. It needs 11 toy trains. 3 + ____ = 11.

1. Start with 3 toy trains.
2. Add toy trains until there are 11.
3. The added toy trains make a group of 8.
4. Write 3 + 8 = 11.

Answer: 8

PRACTICE 5 problems

1 A puppy has 7 treats. It needs 12 treats. 7 + ___ = 12.

ANSWER _____

2 A plate holds 15 apple slices. ___ slices are eaten. 9 slices are left. 15 - ___ = 9.

ANSWER _____

3 A crayon box has ___ red crayons and 4 blue crayons. There are 10 crayons. ___ + 4 = 10.

ANSWER _____

4 A jar has 16 buttons. 7 buttons are green. The rest are yellow. 16 - 7 = ___.

ANSWER _____

5 Mia has 5 balloons. She gets some more balloons. Now she has 14 balloons. 5 + ___ = 14.

ANSWER _____

APPLY IT Show your work

1 Leo has 19 game cards. He gives 7 cards to his cousin. How many game cards does Leo have left? DRAW 19 dots for the cards and cross out 7. Use the remaining dots to show 19 - 7 = ___. Explain how the model gives your answer.

WORK SPACE

ANSWER _____

2 Ava has 6 shells. Her friend gives her some more shells. Ava now has 15 shells. How many shells did her friend give her? DRAW 6 dots for Ava's shells. Add differently marked dots until the total is 15; circle just the added dots. Write 6 + ___ = 15 and explain how the model shows the missing part.

WORK SPACE

ANSWER _____

3 MODEL a missing take-away: Draw 15 dots. Cross out dots until 9 are left. Circle the crossed-out group, complete 15 - ___ = 9, and explain why its size is the missing number.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A toy bin has 20 blocks. 13 blocks are red. The rest are yellow. How many yellow blocks are there? Write 20 - 13 = ___ and explain how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Find the Missing Part

GRADE 2 · 2.CE.1.g

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A puppy has 7 treats. It needs 12 treats. 7 + ___ = 12.	**5**
2	A plate holds 15 apple slices. ___ slices are eaten. 9 slices are left. 15 - ___ = 9.	**6**
3	A crayon box has ___ red crayons and 4 blue crayons. There are 10 crayons. ___ + 4 = 10.	**6**
4	A jar has 16 buttons. 7 buttons are green. The rest are yellow. 16 - 7 = ___.	**9**
5	Mia has 5 balloons. She gets some more balloons. Now she has 14 balloons. 5 + ___ = 14.	**9**

PART 2 · APPLY IT

1. **12** Use subtraction: 19 - 7 = 12. Leo has 12 game cards left. Check an actual 19-dot drawing with 7 crossed out and 12 remaining; the remaining set represents the missing result.
2. **9** Use addition: 6 + ___ = 15. The missing number is 9. Check 6 original dots and 9 added dots, 15 total; the circled added group establishes the missing addend.
3. **6; 15 - 6 = 9.** Require an actual 15-dot model with exactly 6 crossed out and 9 uncrossed. The removed set corresponds to the missing subtrahend. Accept an equivalent labeled counter model with an adult-supplied set of 15, but require the child to show and explain both sets.

CHALLENGE

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Accept correct counting-on, counting-back, or subtraction reasoning. For the challenge, accept 20 - 13 = 7 and an explanation that 7 added to 13 makes 20. For Apply 1–3, require the specified actual drawings (or equivalent supplied counters), matching equations and model-based explanations. Numerical answers without the models are incomplete.