

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 $5 - 2 = 3$ 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?

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?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A toy bin has 20 blocks. 13 blocks are red. The rest are yellow. How many yellow blocks are there? Write $20 - 13 = \underline{\quad}$ and explain how you know.

PART 1 • PRACTICE

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

PART 2 • APPLY IT

1. **12** Use subtraction: $19 - 7 = 12$. Leo has 12 game cards left.
2. **9** Use addition: $6 + \underline{\quad} = 15$. The missing number is 9.

CHALLENGE

7. $20 - 13 = 7$. Counting up from 13 to 20 gives 7.

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.