

# Subtraction Facts Within 20

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 24

## Q Quick Review

**Subtraction** means taking away or finding how many are left. The answer is called the **difference**. Subtraction is the **opposite** of addition, so you can **think addition** to solve it: for  $13 - 5$ , ask “5 plus what equals 13?” Since  $5 + 8 = 13$ , the difference is 8. You can also **count back** from the bigger number. Practicing subtraction facts until they are quick will help you all year long.

◇ **Example:** Find the difference:  $15 - 7$ .

⇒ Let's think addition to solve this. We ask, “7 plus what number equals 15?” Count up from 7:  $7 + 3 = 10$ , and then  $10 + 5 = 15$ . That means we added  $3 + 5 = 8$  in all. So  $7 + 8 = 15$ , which tells us  $15 - 7 = 8$ .

**Answer:**  $15 - 7 = 8$

## PRACTICE

Subtract to find each difference.

- |              |       |              |       |
|--------------|-------|--------------|-------|
| 1. $12 - 5$  | _____ | 11. $14 - 7$ | _____ |
| 2. $14 - 6$  | _____ | 12. $11 - 6$ | _____ |
| 3. $11 - 4$  | _____ | 13. $13 - 6$ | _____ |
| 4. $16 - 8$  | _____ | 14. $16 - 7$ | _____ |
| 5. $13 - 9$  | _____ | 15. $10 - 4$ | _____ |
| 6. $10 - 6$  | _____ | 16. $15 - 6$ | _____ |
| 7. $18 - 9$  | _____ | 17. $12 - 7$ | _____ |
| 8. $15 - 8$  | _____ | 18. $14 - 8$ | _____ |
| 9. $17 - 9$  | _____ | 19. $17 - 8$ | _____ |
| 10. $12 - 8$ | _____ | 20. $13 - 8$ | _____ |

## ◆ Word Problems

21. Noah had 14 stickers. He gave 6 to his friend. How many stickers does Noah have left? \_\_\_\_\_
22. There were 15 birds on a wire. Then 7 flew away. How many birds are still on the wire? \_\_\_\_\_
23. A box held 13 muffins. The class ate 9 of them. How many muffins are left in the box? \_\_\_\_\_
24. Ava has 16 marbles. Her brother has 8 marbles. How many more marbles does Ava have than her brother? \_\_\_\_\_



## Answer Keys

- |       |                |
|-------|----------------|
| 1. 7  | 13. 7          |
| 2. 8  | 14. 9          |
| 3. 7  | 15. 6          |
| 4. 8  | 16. 9          |
| 5. 4  | 17. 5          |
| 6. 4  | 18. 6          |
| 7. 9  | 19. 9          |
| 8. 7  | 20. 5          |
| 9. 8  | 21. 8 stickers |
| 10. 4 | 22. 8 birds    |
| 11. 7 | 23. 4 muffins  |
| 12. 5 | 24. 8 marbles  |

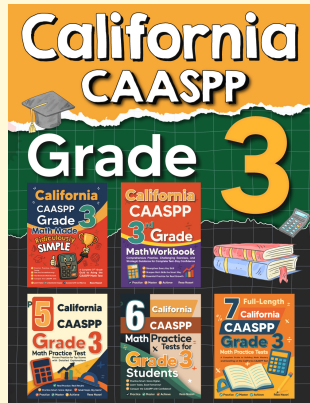
### Step-by-Step Explanations

- |   |   |
|---|---|
| 1. Think addition: $5 + 7 = 12$ , so $12 - 5 = 7$ .     | 13. Think addition: $6 + 7 = 13$ , so $13 - 6 = 7$ .                      |
| 2. Think addition: $6 + 8 = 14$ , so $14 - 6 = 8$ .     | 14. Think addition: $7 + 9 = 16$ , so $16 - 7 = 9$ .                      |
| 3. Think addition: $4 + 7 = 11$ , so $11 - 4 = 7$ .     | 15. Think addition: $4 + 6 = 10$ , so $10 - 4 = 6$ .                      |
| 4. This is the double $8 + 8 = 16$ , so $16 - 8 = 8$ .  | 16. Think addition: $6 + 9 = 15$ , so $15 - 6 = 9$ .                      |
| 5. Think addition: $9 + 4 = 13$ , so $13 - 9 = 4$ .     | 17. Think addition: $7 + 5 = 12$ , so $12 - 7 = 5$ .                      |
| 6. Think addition: $6 + 4 = 10$ , so $10 - 6 = 4$ .     | 18. Think addition: $8 + 6 = 14$ , so $14 - 8 = 6$ .                      |
| 7. This is the double $9 + 9 = 18$ , so $18 - 9 = 9$ .  | 19. Think addition: $8 + 9 = 17$ , so $17 - 8 = 9$ .                      |
| 8. Think addition: $8 + 7 = 15$ , so $15 - 8 = 7$ .     | 20. Think addition: $8 + 5 = 13$ , so $13 - 8 = 5$ .                      |
| 9. Think addition: $9 + 8 = 17$ , so $17 - 9 = 8$ .     | 21. Take away what he gave: $14 - 6 = 8$ . Noah has 8 stickers left.      |
| 10. Think addition: $8 + 4 = 12$ , so $12 - 8 = 4$ .    | 22. Subtract the birds that left: $15 - 7 = 8$ . There are 8 birds left.  |
| 11. This is the double $7 + 7 = 14$ , so $14 - 7 = 7$ . | 23. Take away the muffins eaten: $13 - 9 = 4$ . There are 4 muffins left. |
| 12. Think addition: $6 + 5 = 11$ , so $11 - 6 = 5$ .    | 24. Compare by subtracting: $16 - 8 = 8$ . Ava has 8 more marbles.        |



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