

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 |

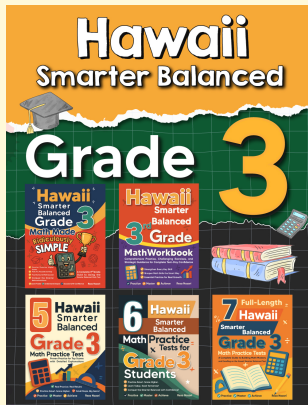
Step-by-Step Explanations

- | | |
|---|---|
| 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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