

Mentally Adding and Subtracting 10 and 100

Name: _____

Date: _____

Score: _____ / 24

Q Quick Review

You can add or subtract 10 and 100 **in your head** — no paper needed! When you **add or subtract 10**, only the **tens digit** changes. When you **add or subtract 100**, only the **hundreds digit** changes. For example, $342 + 10 = 352$ and $342 + 100 = 442$. The other digits stay exactly the same. This makes adding and subtracting tens and hundreds quick and easy.

◇ **Example:** Find $463 + 100$ and $463 - 10$ using mental math.

⇒ For $463 + 100$, only the hundreds digit changes. The 4 hundreds become 5 hundreds, so $463 + 100 = 563$. For $463 - 10$, only the tens digit changes. The 6 tens become 5 tens, so $463 - 10 = 453$. The other digits never move.

Answer: $463 + 100 = 563$, $463 - 10 = 453$

PRACTICE

Use mental math to add or subtract.

- | | | | |
|-----------------|-------|-----------------|-------|
| 1. $245 + 10$ | _____ | 11. $371 - 10$ | _____ |
| 2. $380 + 10$ | _____ | 12. $408 - 100$ | _____ |
| 3. $517 + 100$ | _____ | 13. $56 + 10$ | _____ |
| 4. $264 + 100$ | _____ | 14. $83 - 10$ | _____ |
| 5. $439 - 10$ | _____ | 15. $294 + 100$ | _____ |
| 6. $852 - 10$ | _____ | 16. $617 + 10$ | _____ |
| 7. $726 - 100$ | _____ | 17. $930 - 100$ | _____ |
| 8. $548 - 100$ | _____ | 18. $475 - 10$ | _____ |
| 9. $193 + 10$ | _____ | 19. $760 + 100$ | _____ |
| 10. $605 + 100$ | _____ | 20. $328 - 100$ | _____ |

◆ Word Problems

21. A jar holds 245 jellybeans. Someone adds 10 more jellybeans. How many jellybeans are in the jar now? _____
22. A school has 463 students. Next year, 100 more students will join. How many students will the school have then? _____
23. A box has 852 paper clips. A worker takes out 10 of them. How many paper clips are left in the box? _____
24. A farm had 726 chickens. The farmer sold 100 chickens. How many chickens does the farm have now? _____



Answer Keys

- | | |
|---------|---------------------|
| 1. 255 | 13. 66 |
| 2. 390 | 14. 73 |
| 3. 617 | 15. 394 |
| 4. 364 | 16. 627 |
| 5. 429 | 17. 830 |
| 6. 842 | 18. 465 |
| 7. 626 | 19. 860 |
| 8. 448 | 20. 228 |
| 9. 203 | 21. 255 jellybeans |
| 10. 705 | 22. 563 students |
| 11. 361 | 23. 842 paper clips |
| 12. 308 | 24. 626 chickens |

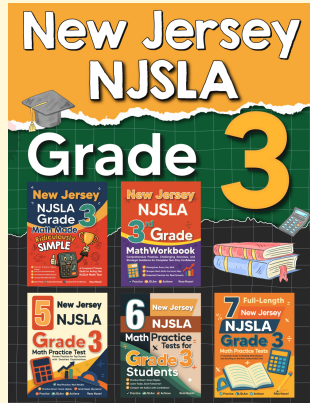
Step-by-Step Explanations

- | | |
|---|---|
| 1. Add 10: only the tens digit changes, 4 becomes 5. | 13. Add 10: only the tens digit changes, 5 becomes 6. |
| 2. Add 10: only the tens digit changes, 8 becomes 9. | 14. Subtract 10: only the tens digit changes, 8 becomes 7. |
| 3. Add 100: only the hundreds digit changes, 5 becomes 6. | 15. Add 100: only the hundreds digit changes, 2 becomes 3. |
| 4. Add 100: only the hundreds digit changes, 2 becomes 3. | 16. Add 10: only the tens digit changes, 1 becomes 2. |
| 5. Subtract 10: only the tens digit changes, 3 becomes 2. | 17. Subtract 100: only the hundreds digit changes, 9 becomes 8. |
| 6. Subtract 10: only the tens digit changes, 5 becomes 4. | 18. Subtract 10: only the tens digit changes, 7 becomes 6. |
| 7. Subtract 100: only the hundreds digit changes, 7 becomes 6. | 19. Add 100: only the hundreds digit changes, 7 becomes 8. |
| 8. Subtract 100: only the hundreds digit changes, 5 becomes 4. | 20. Subtract 100: only the hundreds digit changes, 3 becomes 2. |
| 9. Add 10: 9 tens plus 1 ten makes 10 tens, so the number rolls to 203. | 21. Add 10: only the tens digit changes, so $245 + 10 = 255$ jellybeans. |
| 10. Add 100: only the hundreds digit changes, 6 becomes 7. | 22. Add 100: only the hundreds digit changes, so $463 + 100 = 563$ students. |
| 11. Subtract 10: only the tens digit changes, 7 becomes 6. | 23. Subtract 10: only the tens digit changes, so $852 - 10 = 842$ paper clips. |
| 12. Subtract 100: only the hundreds digit changes, 4 becomes 3. | 24. Subtract 100: only the hundreds digit changes, so $726 - 100 = 626$ chickens. |



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