

# 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

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