

# Subtracting Within 1,000

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Score: \_\_\_\_\_ / 24

## Q Quick Review

To subtract three-digit numbers, line up the **ones**, **tens**, and **hundreds**. Start at the ones column. Whenever the top digit is too small to subtract, **regroup** — borrow one from the next place to the left. Sometimes you must regroup more than once. Work column by column from right to left. You can **check** your answer by adding it to the number you subtracted to see if you get back the starting number.

◇ **Example:** Find the difference:  $524 - 167$ .

⇒ Start with the ones: we cannot take 7 from 4, so borrow a ten to make 14, and  $14 - 7 = 7$ . The tens are now 1; we cannot take 6 from 1, so borrow a hundred to make 11, and  $11 - 6 = 5$ . The hundreds are now 4; subtract  $4 - 1 = 3$ . So  $524 - 167 = 357$ .

**Answer:**  $524 - 167 = 357$

## PRACTICE

Subtract to find each difference.

- |                 |       |                 |       |
|-----------------|-------|-----------------|-------|
| 1. $487 - 254$  | _____ | 11. $472 - 238$ | _____ |
| 2. $695 - 372$  | _____ | 12. $605 - 178$ | _____ |
| 3. $532 - 118$  | _____ | 13. $387 - 152$ | _____ |
| 4. $741 - 326$  | _____ | 14. $720 - 345$ | _____ |
| 5. $850 - 234$  | _____ | 15. $943 - 526$ | _____ |
| 6. $623 - 145$  | _____ | 16. $658 - 279$ | _____ |
| 7. $914 - 367$  | _____ | 17. $816 - 408$ | _____ |
| 8. $768 - 425$  | _____ | 18. $574 - 286$ | _____ |
| 9. $500 - 263$  | _____ | 19. $900 - 437$ | _____ |
| 10. $836 - 159$ | _____ | 20. $645 - 318$ | _____ |

### ◆ Word Problems

21. A theater has 524 seats. At one show, 167 seats were empty. How many seats were filled? \_\_\_\_\_
22. A store had 850 water bottles. They sold 234 of them. How many water bottles are left? \_\_\_\_\_
23. A book has 500 pages. Sam has read 263 pages so far. How many pages does Sam have left to read? \_\_\_\_\_
24. A farm grew 943 pumpkins. They sold 526 pumpkins at a market. How many pumpkins does the farm have left? \_\_\_\_\_



## Answer Keys

- |                                      |  |
|--------------------------------------|--|
| 1. <input type="text" value="233"/>  | 13. <input type="text" value="235"/>               |
| 2. <input type="text" value="323"/>  | 14. <input type="text" value="375"/>               |
| 3. <input type="text" value="414"/>  | 15. <input type="text" value="417"/>               |
| 4. <input type="text" value="415"/>  | 16. <input type="text" value="379"/>               |
| 5. <input type="text" value="616"/>  | 17. <input type="text" value="408"/>               |
| 6. <input type="text" value="478"/>  | 18. <input type="text" value="288"/>               |
| 7. <input type="text" value="547"/>  | 19. <input type="text" value="463"/>               |
| 8. <input type="text" value="343"/>  | 20. <input type="text" value="327"/>               |
| 9. <input type="text" value="237"/>  | 21. <input type="text" value="357 seats"/>         |
| 10. <input type="text" value="677"/> | 22. <input type="text" value="616 water bottles"/> |
| 11. <input type="text" value="234"/> | 23. <input type="text" value="237 pages"/>         |
| 12. <input type="text" value="427"/> | 24. <input type="text" value="417 pumpkins"/>      |

### Step-by-Step Explanations

- |   |   |
|---|---|
| <p>1. Ones: <math>7 - 4 = 3</math>. Tens: <math>8 - 5 = 3</math>. Hundreds: <math>4 - 2 = 2</math>.</p> <p>2. Ones: <math>5 - 2 = 3</math>. Tens: <math>9 - 7 = 2</math>. Hundreds: <math>6 - 3 = 3</math>.</p> <p>3. Regroup ones: <math>12 - 8 = 4</math>. Tens: <math>2 - 1 = 1</math>. Hundreds: <math>5 - 1 = 4</math>.</p> <p>4. Regroup ones: <math>11 - 6 = 5</math>. Tens: <math>3 - 2 = 1</math>. Hundreds: <math>7 - 3 = 4</math>.</p> <p>5. Regroup ones: <math>10 - 4 = 6</math>. Tens: <math>4 - 3 = 1</math>. Hundreds: <math>8 - 2 = 6</math>.</p> <p>6. Regroup ones: <math>13 - 5 = 8</math>. Regroup tens: <math>11 - 4 = 7</math>. Hundreds: <math>5 - 1 = 4</math>.</p> <p>7. Regroup ones: <math>14 - 7 = 7</math>. Regroup tens: <math>10 - 6 = 4</math>. Hundreds: <math>8 - 3 = 5</math>.</p> <p>8. Ones: <math>8 - 5 = 3</math>. Tens: <math>6 - 2 = 4</math>. Hundreds: <math>7 - 4 = 3</math>.</p> <p>9. Regroup across: ones <math>10 - 3 = 7</math>, tens <math>9 - 6 = 3</math>, hundreds <math>4 - 2 = 2</math>.</p> <p>10. Regroup ones: <math>16 - 9 = 7</math>. Regroup tens: <math>12 - 5 = 7</math>. Hundreds: <math>7 - 1 = 6</math>.</p> <p>11. Regroup ones: <math>12 - 8 = 4</math>. Tens: <math>6 - 3 = 3</math>. Hundreds: <math>4 - 2 = 2</math>.</p> <p>12. Regroup across: ones <math>15 - 8 = 7</math>, tens <math>9 - 7 = 2</math>, hundreds <math>5 - 1 = 4</math>.</p> <p>13. Ones: <math>7 - 2 = 5</math>. Tens: <math>8 - 5 = 3</math>. Hundreds: <math>3 - 1 = 2</math>.</p> | <p>14. Regroup across: ones <math>10 - 5 = 5</math>, tens <math>11 - 4 = 7</math>, hundreds <math>6 - 3 = 3</math>.</p> <p>15. Regroup ones: <math>13 - 6 = 7</math>. Tens: <math>3 - 2 = 1</math>. Hundreds: <math>9 - 5 = 4</math>.</p> <p>16. Regroup ones: <math>18 - 9 = 9</math>. Regroup tens: <math>14 - 7 = 7</math>. Hundreds: <math>5 - 2 = 3</math>.</p> <p>17. Regroup ones: <math>16 - 8 = 8</math>. Tens: <math>0 - 0 = 0</math>. Hundreds: <math>8 - 4 = 4</math>.</p> <p>18. Regroup ones: <math>14 - 6 = 8</math>. Regroup tens: <math>16 - 8 = 8</math>. Hundreds: <math>4 - 2 = 2</math>.</p> <p>19. Regroup across: ones <math>10 - 7 = 3</math>, tens <math>9 - 3 = 6</math>, hundreds <math>8 - 4 = 4</math>.</p> <p>20. Regroup ones: <math>15 - 8 = 7</math>. Tens: <math>3 - 1 = 2</math>. Hundreds: <math>6 - 3 = 3</math>.</p> <p>21. Take away the empty seats: <math>524 - 167 = 357</math>. There were 357 seats filled.</p> <p>22. Subtract the bottles sold: <math>850 - 234 = 616</math>. There are 616 water bottles left.</p> <p>23. Take away the pages read: <math>500 - 263 = 237</math>. Sam has 237 pages left.</p> <p>24. Subtract the pumpkins sold: <math>943 - 526 = 417</math>. The farm has 417 pumpkins left.</p> |
|---|---|



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