

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



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