

Adding Within 100

Name: _____

Date: _____

Score: _____ / 24

Q Quick Review

To add two-digit numbers, line them up by place value: **ones under ones** and **tens under tens**. First add the ones. If the ones add up to 10 or more, you must **regroup** — carry one ten over to the tens column. Then add the tens, including any ten you carried. For example, in $47 + 38$, the ones make $7 + 8 = 15$, so write 5 and carry 1 ten. Adding carefully one column at a time keeps your answer correct.

◇ **Example:** Find the sum: $47 + 38$.

⇒ Start with the ones column: $7 + 8 = 15$. That is more than 9, so we regroup — write 5 in the ones place and carry 1 ten to the tens column. Now add the tens: $4 + 3 = 7$, plus the 1 we carried makes 8. Write 8 in the tens place. So $47 + 38 = 85$.

Answer: $47 + 38 = 85$

PRACTICE

Add to find each sum.

- | | | | |
|---------------|-------|---------------|-------|
| 1. $23 + 14$ | _____ | 11. $39 + 24$ | _____ |
| 2. $45 + 32$ | _____ | 12. $66 + 18$ | _____ |
| 3. $28 + 16$ | _____ | 13. $73 + 15$ | _____ |
| 4. $37 + 25$ | _____ | 14. $58 + 26$ | _____ |
| 5. $54 + 19$ | _____ | 15. $47 + 47$ | _____ |
| 6. $36 + 36$ | _____ | 16. $34 + 29$ | _____ |
| 7. $61 + 27$ | _____ | 17. $52 + 41$ | _____ |
| 8. $48 + 29$ | _____ | 18. $68 + 25$ | _____ |
| 9. $55 + 38$ | _____ | 19. $19 + 19$ | _____ |
| 10. $42 + 17$ | _____ | 20. $45 + 48$ | _____ |

◆ Word Problems

21. A class collected 47 cans on Monday and 38 cans on Tuesday. How many cans did they collect in all? _____
22. There are 26 boys and 29 girls at the park. How many children are at the park altogether? _____
23. Ben has 54 baseball cards. His sister gives him 19 more. How many cards does Ben have now? _____
24. A library checked out 48 books in the morning and 36 books in the afternoon. How many books were checked out in all?



Answer Keys

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|-------------------------------------|--|
| 1. <input type="text" value="37"/> | 13. <input type="text" value="88"/> |
| 2. <input type="text" value="77"/> | 14. <input type="text" value="84"/> |
| 3. <input type="text" value="44"/> | 15. <input type="text" value="94"/> |
| 4. <input type="text" value="62"/> | 16. <input type="text" value="63"/> |
| 5. <input type="text" value="73"/> | 17. <input type="text" value="93"/> |
| 6. <input type="text" value="72"/> | 18. <input type="text" value="93"/> |
| 7. <input type="text" value="88"/> | 19. <input type="text" value="38"/> |
| 8. <input type="text" value="77"/> | 20. <input type="text" value="93"/> |
| 9. <input type="text" value="93"/> | 21. <input type="text" value="85 cans"/> |
| 10. <input type="text" value="59"/> | 22. <input type="text" value="55 children"/> |
| 11. <input type="text" value="63"/> | 23. <input type="text" value="73 cards"/> |
| 12. <input type="text" value="84"/> | 24. <input type="text" value="84 books"/> |

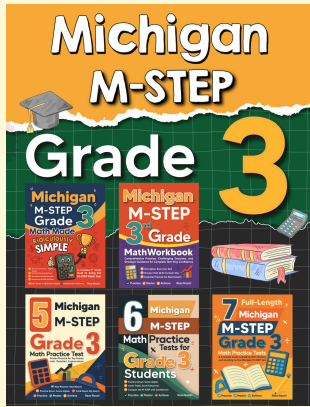
Step-by-Step Explanations

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| <p>1. Add ones: $3 + 4 = 7$. Add tens: $2 + 1 = 3$. The sum is 37.</p> <p>2. Add ones: $5 + 2 = 7$. Add tens: $4 + 3 = 7$. The sum is 77.</p> <p>3. Ones: $8 + 6 = 14$, write 4 carry 1. Tens: $2 + 1 + 1 = 4$.</p> <p>4. Ones: $7 + 5 = 12$, write 2 carry 1. Tens: $3 + 2 + 1 = 6$.</p> <p>5. Ones: $4 + 9 = 13$, write 3 carry 1. Tens: $5 + 1 + 1 = 7$.</p> <p>6. Ones: $6 + 6 = 12$, write 2 carry 1. Tens: $3 + 3 + 1 = 7$.</p> <p>7. Add ones: $1 + 7 = 8$. Add tens: $6 + 2 = 8$. The sum is 88.</p> <p>8. Ones: $8 + 9 = 17$, write 7 carry 1. Tens: $4 + 2 + 1 = 7$.</p> <p>9. Ones: $5 + 8 = 13$, write 3 carry 1. Tens: $5 + 3 + 1 = 9$.</p> <p>10. Add ones: $2 + 7 = 9$. Add tens: $4 + 1 = 5$. The sum is 59.</p> <p>11. Ones: $9 + 4 = 13$, write 3 carry 1. Tens: $3 + 2 + 1 = 6$.</p> <p>12. Ones: $6 + 8 = 14$, write 4 carry 1. Tens: $6 + 1 + 1 = 8$.</p> | <p>13. Add ones: $3 + 5 = 8$. Add tens: $7 + 1 = 8$. The sum is 88.</p> <p>14. Ones: $8 + 6 = 14$, write 4 carry 1. Tens: $5 + 2 + 1 = 8$.</p> <p>15. Ones: $7 + 7 = 14$, write 4 carry 1. Tens: $4 + 4 + 1 = 9$.</p> <p>16. Ones: $4 + 9 = 13$, write 3 carry 1. Tens: $3 + 2 + 1 = 6$.</p> <p>17. Add ones: $2 + 1 = 3$. Add tens: $5 + 4 = 9$. The sum is 93.</p> <p>18. Ones: $8 + 5 = 13$, write 3 carry 1. Tens: $6 + 2 + 1 = 9$.</p> <p>19. Ones: $9 + 9 = 18$, write 8 carry 1. Tens: $1 + 1 + 1 = 3$.</p> <p>20. Ones: $5 + 8 = 13$, write 3 carry 1. Tens: $4 + 4 + 1 = 9$.</p> <p>21. Add the two days: $47 + 38 = 85$. They collected 85 cans.</p> <p>22. Add the groups: $26 + 29 = 55$. There are 55 children.</p> <p>23. Add the new cards: $54 + 19 = 73$. Ben has 73 cards.</p> <p>24. Add the two parts of the day: $48 + 36 = 84$. The library checked out 84 books.</p> |
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