

Addition Facts Within 20

Name: _____ Date: _____ Score: _____ / 24

Quick Review

Addition means putting two groups together to find how many in all. The numbers you add are **addends**, and the result is the **sum**. A helpful trick is **making a ten**: to add $8 + 5$, take 2 from the 5 to make 8 into 10, then $10 + 3 = 13$. You can also **count on** from the bigger number. Knowing your addition facts quickly makes all of math easier, so practice them until they feel automatic.

◇ **Example:** Find the sum: $9 + 6$.

⇒ Let's use the make-a-ten trick. We want to turn 9 into 10, and 9 needs just 1 more. Take 1 from the 6, which leaves 5. Now the problem becomes $10 + 5$, which is easy: $10 + 5 = 15$. So $9 + 6 = 15$.

Answer: $9 + 6 = 15$

PRACTICE

Add to find each sum.

- | | | | |
|-------------|-------|-------------|-------|
| 1. $7 + 5$ | _____ | 11. $3 + 8$ | _____ |
| 2. $8 + 4$ | _____ | 12. $7 + 8$ | _____ |
| 3. $6 + 6$ | _____ | 13. $5 + 5$ | _____ |
| 4. $9 + 9$ | _____ | 14. $9 + 7$ | _____ |
| 5. $5 + 8$ | _____ | 15. $6 + 9$ | _____ |
| 6. $7 + 7$ | _____ | 16. $8 + 6$ | _____ |
| 7. $4 + 9$ | _____ | 17. $4 + 7$ | _____ |
| 8. $8 + 8$ | _____ | 18. $9 + 5$ | _____ |
| 9. $6 + 7$ | _____ | 19. $7 + 6$ | _____ |
| 10. $9 + 8$ | _____ | 20. $8 + 9$ | _____ |

Word Problems

- Mia has 8 red crayons and 7 blue crayons. How many crayons does she have in all? _____
- There are 6 ducks in a pond. Then 9 more ducks swim over. How many ducks are in the pond now? _____
- Liam read 9 pages on Monday and 8 pages on Tuesday. How many pages did he read altogether? _____
- A basket has 7 apples and 6 oranges. How many pieces of fruit are in the basket? _____



Answer Keys

- | | |
|--------|------------------------|
| 1. 12 | 13. 10 |
| 2. 12 | 14. 16 |
| 3. 12 | 15. 15 |
| 4. 18 | 16. 14 |
| 5. 13 | 17. 11 |
| 6. 14 | 18. 14 |
| 7. 13 | 19. 13 |
| 8. 16 | 20. 17 |
| 9. 13 | 21. 15 crayons |
| 10. 17 | 22. 15 ducks |
| 11. 11 | 23. 17 pages |
| 12. 15 | 24. 13 pieces of fruit |

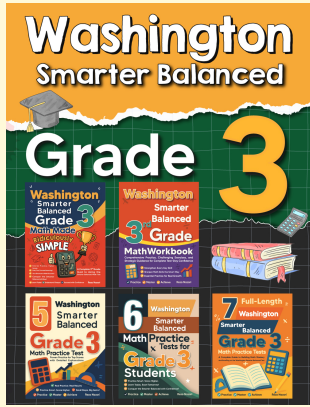
Step-by-Step Explanations

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|--|---|
| <p>1. Make a ten: $7 + 3 = 10$, then $10 + 2 = 12$.</p> <p>2. Make a ten: $8 + 2 = 10$, then $10 + 2 = 12$.</p> <p>3. This is a double; $6 + 6 = 12$.</p> <p>4. This is a double; $9 + 9 = 18$.</p> <p>5. Make a ten: $8 + 2 = 10$, then $10 + 3 = 13$.</p> <p>6. This is a double; $7 + 7 = 14$.</p> <p>7. Make a ten: $9 + 1 = 10$, then $10 + 3 = 13$.</p> <p>8. This is a double; $8 + 8 = 16$.</p> <p>9. Use the double $6 + 6 = 12$, then add 1 more for 13.</p> <p>10. Use the double $8 + 8 = 16$, then add 1 more for 17.</p> <p>11. Make a ten: $8 + 2 = 10$, then $10 + 1 = 11$.</p> <p>12. Make a ten: $8 + 2 = 10$, then $10 + 5 = 15$.</p> | <p>13. This is a double; $5 + 5 = 10$.</p> <p>14. Make a ten: $9 + 1 = 10$, then $10 + 6 = 16$.</p> <p>15. Make a ten: $9 + 1 = 10$, then $10 + 5 = 15$.</p> <p>16. Make a ten: $8 + 2 = 10$, then $10 + 4 = 14$.</p> <p>17. Count on from 7: 8, 9, 10, 11.</p> <p>18. Make a ten: $9 + 1 = 10$, then $10 + 4 = 14$.</p> <p>19. Use the double $6 + 6 = 12$, then add 1 more for 13.</p> <p>20. Make a ten: $9 + 1 = 10$, then $10 + 7 = 17$.</p> <p>21. Put the groups together: $8 + 7 = 15$. Mia has 15 crayons.</p> <p>22. Add the ducks together: $6 + 9 = 15$. There are 15 ducks.</p> <p>23. Add the two days: $9 + 8 = 17$. Liam read 17 pages.</p> <p>24. Combine the fruit: $7 + 6 = 13$. There are 13 pieces of fruit.</p> |
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