

Using Mental Math to Add

Use breaking apart to add mentally.

1. $53 + 34$

$34 = 30 + \square$

$53 + \square = 83$

$83 + \square = 87$

So, $53 + 34 = \square$

2. $42 + 29$

$29 = 20 + \square$

$42 + \square = 62$

$\square + 9 = 71$

So, $42 + 29 = \square$

3. $47 + 41$

$41 = \square + 1$

$47 + \square = 87$

$\square + 1 = 88$

So, $47 + 41 = \square$

Make a ten to add mentally.

4. $27 + 24$

$24 = 3 + \square$

$27 + \square = 30$

$\square + 21 = 51$

So, $27 + 24 = \square$

5. $54 + 19$

$19 = \square + 6$

$\square + 6 = 60$

$60 + \square = 73$

So, $54 + 19 = \square$

6. $38 + 27$

$27 = \square + 25$

$38 + \square = 40$

$40 + \square = 65$

So, $38 + 27 = \square$

Find each sum using mental math.

7. $52 + 26$

8. $47 + 8$

9. $32 + 17$

10. $28 + 31$

11. $43 + 38$

12. $72 + 7$

13. $42 + 33$

14. $36 + 14$

15. **Generalize** Ashton broke apart a number into $30 + 7$.
What number did he start with? _____

16. What is the sum of $27 + 42$ using mental math?

A 68

B 69

C 78

D 79