

Use Mental Math to Add

You can use these two strategies to add mentally.

Compensation

Use compensation when a number is close to a ten or a hundred.

$$\begin{array}{r}
 197 \rightarrow 200 \\
 + 254 \rightarrow + 251 \\
 \hline
 451
 \end{array}$$

Add 3 to make 200: $197 + 3 = 200$.
 Subtract 3 from the other number: $254 - 3 = 251$.

Zig-zag

Use the zig-zag method to add $356 + 627$.
 Take apart 627.

$$627 = 600 + 20 + 7$$

Then add each place separately.

$$\begin{array}{r}
 356 \\
 + 627 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 356 \\
 + 600 \\
 \hline
 956
 \end{array}
 \quad
 \begin{array}{r}
 956 \\
 + 20 \\
 \hline
 976
 \end{array}
 \quad
 \begin{array}{r}
 976 \\
 + 7 \\
 \hline
 983
 \end{array}$$

Add mentally.

1. $62 + 39 =$ _____
2. $54 + 17 =$ _____
3. $202 + 248 =$ _____
4. $\$316 + \$455 =$ _____
5. $\$625 + \$330 =$ _____
6. $437 + 128 =$ _____
7. $499 + 252 =$ _____
8. $697 + 140 =$ _____
9. $\$29 + \$56 =$ _____
10. $\$62 + \$78 =$ _____
11. $\$268 + \$441 =$ _____
12. $298 + 465 =$ _____
13. $752 + 247 =$ _____
14. $365 + 113 =$ _____
15. $599 + 109 =$ _____
16. $232 + 657 =$ _____
17. $253 + 35 =$ _____
18. $849 + 52 =$ _____
19. $425 + 222 =$ _____
20. $723 + 245 =$ _____
21. $3,398 + 1,343 =$ _____
22. $2,377 + 196 =$ _____
23. $\$6,512 + \$950 =$ _____
24. $1,783 + 5,097 =$ _____