

ADDITION BY ESTIMATION -A

HELPFUL EXAMPLE

A.

$$\begin{array}{r} 28 \rightarrow 30 \\ + 41 \rightarrow + 40 \\ \hline 70 \end{array}$$

ROUND NUMBERS SO THAT YOU CAN QUICKLY SEE WHAT THE APPROXIMATE ANSWER WILL BE.

B.

$$\begin{array}{r} 47 \rightarrow 50 \\ + 3 \rightarrow + 0 \\ \hline 50 \end{array}$$

47 IS IN THE MIDDLE OF 40 AND 50. SO ROUND UP TO 50. 3 IS LESS THAN 5 SO CHANGE IT TO 0.

NOW YOUR TURN, ADD USING ESTIMATION. SHOW YOUR ESTIMATIONS.

ANSWERS

$$\begin{array}{r} 1. \quad 60 \rightarrow 60 \\ + 54 \rightarrow + 50 \\ \hline 110 \end{array}$$

$$\begin{array}{r} 2. \quad 49 \\ + 8 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 3. \quad 85 \\ + 74 \\ \hline 150 \end{array}$$

$$\begin{array}{r} 4. \quad 21 \\ + 40 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 5. \quad 4 \\ + 74 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 6. \quad 23 \\ + 79 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 7. \quad 25 \\ + 60 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 8. \quad 63 \\ + 47 \\ \hline 110 \end{array}$$

$$\begin{array}{r} 9. \quad 24 \\ 10 \\ + 37 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 10. \quad 41 \\ 2 \\ + 75 \\ \hline 120 \end{array}$$

$$\begin{array}{r} 11. \quad 60 \\ 46 \\ + 10 \\ \hline 120 \end{array}$$

$$\begin{array}{r} 12. \quad 8 \\ 97 \\ + 31 \\ \hline 140 \end{array}$$

$$\begin{array}{r} 13. \quad 18 \\ 39 \\ + 21 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 14. \quad 25 \\ 17 \\ + 24 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 15. \quad 18 \\ 53 \\ + 11 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 16. \quad 31 \\ 84 \\ + 17 \\ \hline 130 \end{array}$$

$$\begin{array}{r} 17. \quad 20 \\ 45 \\ 88 \\ + 33 \\ \hline 190 \end{array}$$

$$\begin{array}{r} 18. \quad 12 \\ 43 \\ 66 \\ + 37 \\ \hline 160 \end{array}$$

$$\begin{array}{r} 19. \quad 32 \\ 72 \\ 99 \\ + 24 \\ \hline 220 \end{array}$$

$$\begin{array}{r} 20. \quad 74 \\ 26 \\ 58 \\ + 1 \\ \hline 160 \end{array}$$

$$\begin{array}{r} 21. \quad 8 \\ 33 \\ 89 \\ + 45 \\ \hline 180 \end{array}$$

$$\begin{array}{r} 22. \quad 11 \\ 74 \\ 62 \\ + 10 \\ \hline 150 \end{array}$$

$$\begin{array}{r} 23. \quad 98 \\ 92 \\ 13 \\ + 54 \\ \hline 250 \end{array}$$

$$\begin{array}{r} 24. \quad 67 \\ 9 \\ 29 \\ + 59 \\ \hline 170 \end{array}$$

