

ADDITION BY ESTIMATION - A

ANSWERS

HELPFUL EXAMPLES

A.

$$\begin{array}{r} 38 \rightarrow 40 \\ + 21 \rightarrow + 20 \\ \hline 60 \end{array}$$

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

B.

$$\begin{array}{r} 65 \rightarrow 70 \\ + 4 \rightarrow + 0 \\ \hline 70 \end{array}$$

65 IS IN THE MIDDLE OF 60 AND 70, SO ROUND UP TO 70. 4 IS LESS THAN 5 SO CHANGE IT TO 0.

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

1.
$$\begin{array}{r} 59 \rightarrow 60 \\ + 18 \rightarrow + 20 \\ \hline 80 \end{array}$$

2.
$$\begin{array}{r} 42 \quad 40 \\ + 34 \quad + 30 \\ \hline 70 \end{array}$$

3.
$$\begin{array}{r} 25 \quad 30 \\ + 80 \quad + 80 \\ \hline 110 \end{array}$$

4.
$$\begin{array}{r} 73 \quad 70 \\ + 47 \quad + 50 \\ \hline 120 \end{array}$$

5.
$$\begin{array}{r} 3 \quad 0 \\ + 94 \quad + 90 \\ \hline 90 \end{array}$$

6.
$$\begin{array}{r} 68 \quad 70 \\ + 55 \quad + 60 \\ \hline 130 \end{array}$$

7.
$$\begin{array}{r} 13 \quad 10 \\ + 89 \quad + 90 \\ \hline 100 \end{array}$$

8.
$$\begin{array}{r} 97 \quad 100 \\ + 23 \quad + 20 \\ \hline 120 \end{array}$$

9.
$$\begin{array}{r} 43 \quad 40 \\ + 15 \quad + 20 \\ \hline 60 \end{array}$$

10.
$$\begin{array}{r} 31 \quad 30 \\ + 50 \quad + 50 \\ \hline 80 \end{array}$$

11.
$$\begin{array}{r} 95 \quad 100 \\ + 74 \quad + 70 \\ \hline 170 \end{array}$$

12.
$$\begin{array}{r} 59 \quad 60 \\ + 7 \quad + 10 \\ \hline 70 \end{array}$$

13.
$$\begin{array}{r} 45 \quad 50 \\ 18 \quad 20 \\ + 32 \quad + 30 \\ \hline 100 \end{array}$$

14.
$$\begin{array}{r} 38 \quad 40 \\ 71 \quad 70 \\ + 29 \quad + 30 \\ \hline 140 \end{array}$$

15.
$$\begin{array}{r} 92 \quad 90 \\ 65 \quad 70 \\ + 3 \quad + 0 \\ \hline 160 \end{array}$$

16.
$$\begin{array}{r} 60 \quad 60 \\ 54 \quad 50 \\ + 86 \quad + 90 \\ \hline 200 \end{array}$$

17.
$$\begin{array}{r} 33 \quad 30 \\ 78 \quad 80 \\ + 53 \quad + 50 \\ \hline 160 \end{array}$$

18.
$$\begin{array}{r} 97 \quad 100 \\ 24 \quad 20 \\ + 85 \quad + 90 \\ \hline 210 \end{array}$$

19.
$$\begin{array}{r} 58 \quad 60 \\ 81 \quad 80 \\ + 49 \quad + 50 \\ \hline 190 \end{array}$$

20.
$$\begin{array}{r} 74 \quad 70 \\ 66 \quad 70 \\ + 26 \quad + 30 \\ \hline 170 \end{array}$$

21.
$$\begin{array}{r} 91 \quad 90 \\ 8 \quad 10 \\ 64 \quad 60 \\ + 78 \quad + 80 \\ \hline 240 \end{array}$$

22.
$$\begin{array}{r} 36 \quad 40 \\ 82 \quad 80 \\ 40 \quad 40 \\ + 63 \quad + 60 \\ \hline 220 \end{array}$$

23.
$$\begin{array}{r} 2 \quad 0 \\ 96 \quad 100 \\ 74 \quad 70 \\ + 88 \quad + 90 \\ \hline 260 \end{array}$$

24.
$$\begin{array}{r} 99 \quad 100 \\ 91 \quad 90 \\ 95 \quad 100 \\ + 93 \quad + 90 \\ \hline 380 \end{array}$$

25.
$$\begin{array}{r} 9 \quad 10 \\ 37 \quad 40 \\ 84 \quad 80 \\ + 62 \quad + 60 \\ \hline 190 \end{array}$$

26.
$$\begin{array}{r} 42 \quad 40 \\ 92 \quad 90 \\ 48 \quad 50 \\ + 31 \quad + 30 \\ \hline 210 \end{array}$$

27.
$$\begin{array}{r} 24 \quad 20 \\ 29 \quad 30 \\ 84 \quad 80 \\ + 13 \quad + 10 \\ \hline 140 \end{array}$$

28.
$$\begin{array}{r} 57 \quad 60 \\ 4 \quad 0 \\ 77 \quad 80 \\ + 65 \quad + 70 \\ \hline 210 \end{array}$$