

SUBTRACTION BY ESTIMATION

ANSWERS

HELPFUL EXAMPLES

A.

$$\begin{array}{r} 47 \rightarrow 50 \\ - 13 \rightarrow - 10 \\ \hline 40 \end{array}$$

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

B.

$$\begin{aligned} &92 - (35 + 3) \\ &= 90 - (40 + 0) \\ &= 90 - 40 = 50 \end{aligned}$$

92 IS CLOSER TO 90. 35 IS IN THE MIDDLE OF 30 AND 40, SO ROUND UP TO 40. 3 IS LESS THAN 5 SO CHANGE IT TO 0.

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

1.
$$\begin{array}{r} 59 \rightarrow 60 \\ - 18 \rightarrow - 20 \\ \hline 40 \end{array}$$

2.
$$\begin{array}{r} 17 \quad 20 \\ - 8 \quad - 10 \\ \hline 10 \end{array}$$

3.
$$\begin{array}{r} 33 \quad 30 \\ - 29 \quad - 30 \\ \hline 0 \end{array}$$

4.
$$\begin{array}{r} 96 \quad 100 \\ - 42 \quad - 40 \\ \hline 60 \end{array}$$

5.
$$\begin{array}{r} 35 \quad 40 \\ - 4 \quad - 0 \\ \hline 40 \end{array}$$

6.
$$\begin{array}{r} 82 \quad 80 \\ - 47 \quad - 50 \\ \hline 30 \end{array}$$

7.
$$\begin{array}{r} 68 \quad 70 \\ - 55 \quad - 60 \\ \hline 10 \end{array}$$

8.
$$\begin{array}{r} 74 \quad 70 \\ - 19 \quad - 20 \\ \hline 50 \end{array}$$

9.
$$\begin{array}{r} 50 \quad 50 \\ - 31 \quad - 30 \\ \hline 20 \end{array}$$

10.
$$\begin{array}{r} 57 \quad 60 \\ - 64 \quad - 60 \\ \hline 0 \end{array}$$

11.
$$\begin{array}{r} 95 \quad 100 \\ - 45 \quad - 50 \\ \hline 50 \end{array}$$

12.
$$\begin{array}{r} 48 \quad 50 \\ - 36 \quad - 40 \\ \hline 10 \end{array}$$

13.
$$\begin{array}{r} 72 \quad 70 \\ - 9 \quad - 10 \\ \hline 60 \end{array}$$

14.
$$\begin{array}{r} 88 \quad 90 \\ - 41 \quad - 40 \\ \hline 50 \end{array}$$

15.
$$\begin{array}{r} 62 \quad 60 \\ - 37 \quad - 40 \\ \hline 20 \end{array}$$

16.
$$\begin{array}{r} 78 \quad 80 \\ - 75 \quad - 80 \\ \hline 0 \end{array}$$

17.
$$\begin{array}{r} 82 \quad 80 \\ 13 \quad 10 \\ - 47 \quad - 50 \\ \hline 20 \end{array}$$

18.
$$\begin{array}{r} 58 \quad 60 \\ 4 \quad 0 \\ - 31 \quad - 30 \\ \hline 30 \end{array}$$

19.
$$\begin{array}{r} 97 \quad 100 \\ 28 \quad 30 \\ - 19 \quad - 20 \\ \hline 50 \end{array}$$

20.
$$\begin{array}{r} 63 \quad 60 \\ 22 \quad 20 \\ - 35 \quad - 40 \\ \hline 0 \end{array}$$

21.
$$\begin{array}{r} 65 \quad 70 \\ 41 \quad 40 \\ - 8 \quad - 10 \\ \hline 20 \end{array}$$

22.
$$\begin{array}{r} 96 \quad 100 \\ 64 \quad 60 \\ - 35 \quad - 40 \\ \hline 0 \end{array}$$

23.
$$\begin{array}{r} 57 \quad 60 \\ 5 \quad 10 \\ - 17 \quad - 20 \\ \hline 30 \end{array}$$

24.
$$\begin{array}{r} 94 \quad 90 \\ 11 \quad 10 \\ - 23 \quad - 20 \\ \hline 60 \end{array}$$

25.
$$\begin{aligned} &73 - (36 + 25) \\ &70 - (40 + 30) = 0 \end{aligned}$$

26.
$$\begin{aligned} &91 - (18 + 32) \\ &90 - (20 + 30) = 40 \end{aligned}$$

27.
$$\begin{aligned} &77 - (41 + 12) \\ &80 - (40 + 10) = 30 \end{aligned}$$

28.
$$\begin{aligned} &89 - (3 + 58) \\ &90 - (0 + 60) = 30 \end{aligned}$$

29.
$$\begin{aligned} &58 - (27 + 11) \\ &60 - (30 + 10) = 20 \end{aligned}$$

30.
$$\begin{aligned} &95 - (13 + 35) \\ &100 - (10 + 40) = 50 \end{aligned}$$

31.
$$\begin{aligned} &82 - (16 + 14) \\ &80 - (20 + 10) = 50 \end{aligned}$$

32.
$$\begin{aligned} &86 - (53 + 35) \\ &90 - (50 + 40) = 0 \end{aligned}$$

33.
$$\begin{aligned} &64 - (5 + 39) \\ &60 - (10 + 40) = 10 \end{aligned}$$