

Subtraction by Estimation

Student's Name : _____

class : _____

Helpful Examples:

$$\begin{array}{r} 36 \rightarrow 40 \\ - 14 \rightarrow - 10 \\ \hline 30 \end{array}$$

If we ROUND the numbers, we can quickly guess what the approximate answer will be.

$$\begin{aligned} &54 - (16 + 4) \\ &= 50 - (20 + 0) \\ &= 50 - 20 = 30 \end{aligned}$$

54 is closer to 50. 16 is closer to 20 and 4 is less than 5, so, we change it to zero.

Now it's practice time. Subtract using estimation. Show your estimations:

$$\begin{array}{r} 1. \quad 33 \rightarrow 30 \\ \quad - 23 \rightarrow - 20 \\ \hline \quad \quad 10 \end{array}$$

$$\begin{array}{r} 2. \quad 95 \rightarrow 100 \\ \quad - 35 \rightarrow - 40 \\ \hline \quad \quad 60 \end{array}$$

$$\begin{array}{r} 3. \quad 48 \rightarrow 50 \\ \quad - 25 \rightarrow - 30 \\ \hline \quad \quad 20 \end{array}$$

$$\begin{array}{r} 4. \quad 74 \rightarrow 70 \\ \quad - 18 \rightarrow - 20 \\ \hline \quad \quad 50 \end{array}$$

$$\begin{array}{r} 5. \quad 67 \rightarrow 70 \\ \quad - 56 \rightarrow - 60 \\ \hline \quad \quad 10 \end{array}$$

$$\begin{array}{r} 6. \quad 82 \rightarrow 80 \\ \quad - 19 \rightarrow - 20 \\ \hline \quad \quad 60 \end{array}$$

$$\begin{array}{r} 7. \quad 58 \rightarrow 60 \\ \quad - 19 \rightarrow - 20 \\ \hline \quad \quad 40 \end{array}$$

$$\begin{array}{r} 8. \quad 72 \rightarrow 70 \\ \quad - 33 \rightarrow - 30 \\ \hline \quad \quad 40 \end{array}$$

$$\begin{array}{r} 9. \quad 93 \rightarrow 90 \\ \quad - 14 \rightarrow - 10 \\ \hline \quad \quad 80 \end{array}$$

$$\begin{array}{r} 10. \quad 46 \rightarrow 50 \\ \quad - 32 \rightarrow - 30 \\ \hline \quad \quad 20 \end{array}$$

$$\begin{array}{r} 11. \quad 76 \rightarrow 80 \\ \quad - 25 \rightarrow - 30 \\ \hline \quad \quad 50 \end{array}$$

$$\begin{array}{r} 12. \quad 82 \rightarrow 80 \\ \quad - 9 \rightarrow - 10 \\ \hline \quad \quad 70 \end{array}$$

$$\begin{array}{r} 13. \quad 55 \rightarrow 60 \\ \quad - 42 \rightarrow - 40 \\ \hline \quad \quad 20 \end{array}$$

$$\begin{array}{r} 14. \quad 18 \rightarrow 20 \\ \quad - 7 \rightarrow - 10 \\ \hline \quad \quad 10 \end{array}$$

$$\begin{array}{r} 15. \quad 64 \rightarrow 60 \\ \quad - 35 \rightarrow - 40 \\ \hline \quad \quad 20 \end{array}$$

$$\begin{aligned} 15. \quad &86 - (35 + 4) \\ &= 90 - (40 + 0) \\ &= 90 - 40 = 50 \end{aligned}$$

$$\begin{aligned} 16. \quad &94 - (11 + 41) \\ &= 90 - (10 + 40) \\ &= 90 - 50 = 40 \end{aligned}$$

$$\begin{aligned} 17. \quad &78 - (28 + 13) \\ &= 80 - (30 + 10) \\ &= 80 - 40 = 40 \end{aligned}$$

$$\begin{aligned} 18. \quad &73 - (18 + 13) \\ &= 70 - (20 + 10) \\ &= 70 - 30 = 40 \end{aligned}$$

$$\begin{aligned} 19. \quad &30 - (13 + 5) \\ &= 30 - (10 + 10) \\ &= 30 - 20 = 10 \end{aligned}$$

$$\begin{aligned} 20. \quad &57 - (17 + 14) \\ &= 60 - (20 + 10) \\ &= 60 - 30 = 30 \end{aligned}$$

$$\begin{aligned} 21. \quad &64 - (5 + 40) \\ &= 60 - (10 + 40) \\ &= 60 - 50 = 10 \end{aligned}$$

$$\begin{aligned} 22. \quad &88 - (16 + 8) \\ &= 90 - (20 + 10) \\ &= 90 - 30 = 60 \end{aligned}$$

$$\begin{aligned} 23. \quad &91 - (18 + 22) \\ &= 90 - (20 + 20) \\ &= 90 - 40 = 50 \end{aligned}$$