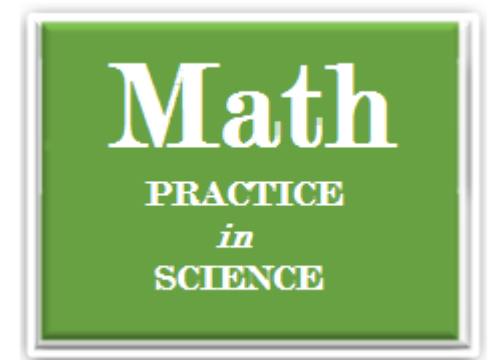


013 Math Practice

Estimating Sums and Differences



When you estimate, you use rounded numbers to do the computation.

Example: Estimate the sum of $394 + 214$

- Step 1:** Round 394 to 400.
Step 2: Round 214 to 200.
Step 3: Add the rounded numbers.
 $400 + 200 = 600$

Example: Estimate the difference between 1,240 and 330

- Step 1:** Round 1,240 to 1,200.
Step 2: Round 330 to 300.
Step 3: Subtract 300 from 1,200.
 $1,200 - 300 = 900$

A

Round to the nearest ten or hundred.
Estimate.

- $17 + 29$ _____
- $410 + 523$ _____
- $39 + 201$ _____
- $111 + 11$ _____
- $67 + 75$ _____
- $4 + 196$ _____
- $500 + 81$ _____
- $13 + 313$ _____
- $886 - 43$ _____
- $67 - 27$ _____
- $596 - 294$ _____
- $98 - 37$ _____
- $21 - 11$ _____
- $749 - 168$ _____
- $110 - 52$ _____
- $214 - 112$ _____

B

Estimate the sums and differences.

- Kevin spent \$14 at the music store, \$49 at the shoe store, and \$8 at the bookstore. How much did Kevin spend at the mall?

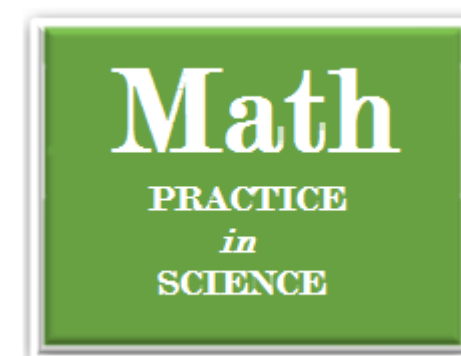
- The Conways took a trip around the United States. The first week they drove 846 miles; the second week 1,211 miles; the third week 916 miles; and the fourth week 1,333 miles. How many miles did the Conways travel? Estimate to the nearest thousand.

- Roberto was born in 1926. Sam was born in 1972. How much older is Roberto than Sam?

- In March, 12,369 attended the symphony. A record-breaking crowd of 15,666 attended in May. How many more people went to the symphony in May?

014 Math Practice

Beginning Multiplication



Addition and multiplication are related. Multiplication is a quick way to add the same number many times.

Addition:	$\begin{array}{r} 5 \\ 5 \\ +5 \\ \hline 15 \end{array}$	The addend 5 is used 3 times.	Multiplication:	$3 \times 5 = 15$	OR	$\begin{array}{r} 5 \\ \times 3 \\ \hline 15 \end{array}$	Factor Factor Product
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Example: Find the product of 38 and 2.

Step 1:	$\begin{array}{r} 1 \\ \times 2 \\ \hline 6 \end{array}$	because	$2 \times 8 = 16$	Step 2:	$\begin{array}{r} 1 \\ \times 2 \\ \hline 76 \end{array}$	because	$2 \times 3 = 6$ and $6 + 1 = 7$
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Multiply. Check your answers.

- | | | | | | | |
|---|---|---|---|---|---|--|
| 1. $\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$ | 2. $\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$ | 3. $\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$ | 4. $\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$ | 5. $\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$ | 6. $\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$ | 7. $\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$ |
| 8. $\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$ | 9. $\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$ | 10. $\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$ | 11. $\begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$ | 12. $\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$ | 13. $\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$ | 14. $\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$ |
| 15. $\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$ | 16. $\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$ | 17. $\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$ | 18. $\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$ | 19. $\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$ | 20. $\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$ | 21. $\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$ |
| 22. $\begin{array}{r} 15 \\ \times 3 \\ \hline \end{array}$ | 23. $\begin{array}{r} 34 \\ \times 6 \\ \hline \end{array}$ | 24. $\begin{array}{r} 72 \\ \times 7 \\ \hline \end{array}$ | 25. $\begin{array}{r} 19 \\ \times 4 \\ \hline \end{array}$ | 26. $\begin{array}{r} 45 \\ \times 7 \\ \hline \end{array}$ | 27. $\begin{array}{r} 66 \\ \times 5 \\ \hline \end{array}$ | |
| 28. $\begin{array}{r} 37 \\ \times 4 \\ \hline \end{array}$ | 29. $\begin{array}{r} 22 \\ \times 7 \\ \hline \end{array}$ | 30. $\begin{array}{r} 63 \\ \times 8 \\ \hline \end{array}$ | 31. $\begin{array}{r} 89 \\ \times 3 \\ \hline \end{array}$ | 32. $\begin{array}{r} 47 \\ \times 9 \\ \hline \end{array}$ | 33. $\begin{array}{r} 51 \\ \times 6 \\ \hline \end{array}$ | |
| 34. $\begin{array}{r} 58 \\ \times 3 \\ \hline \end{array}$ | 35. $\begin{array}{r} 72 \\ \times 8 \\ \hline \end{array}$ | 36. $\begin{array}{r} 91 \\ \times 5 \\ \hline \end{array}$ | 37. $\begin{array}{r} 24 \\ \times 4 \\ \hline \end{array}$ | 38. $\begin{array}{r} 13 \\ \times 9 \\ \hline \end{array}$ | 39. $\begin{array}{r} 37 \\ \times 3 \\ \hline \end{array}$ | |
| 40. $\begin{array}{r} 82 \\ \times 3 \\ \hline \end{array}$ | 41. $\begin{array}{r} 25 \\ \times 8 \\ \hline \end{array}$ | 42. $\begin{array}{r} 39 \\ \times 5 \\ \hline \end{array}$ | 43. $\begin{array}{r} 42 \\ \times 5 \\ \hline \end{array}$ | 44. $\begin{array}{r} 31 \\ \times 8 \\ \hline \end{array}$ | 45. $\begin{array}{r} 84 \\ \times 6 \\ \hline \end{array}$ | |