

IS IT UNDER OR OVER?

Estimate. Then decide how your estimate should be adjusted, and circle the appropriate symbol. If you can't tell, circle the question mark. Be ready to explain how you decided to adjust your estimate.

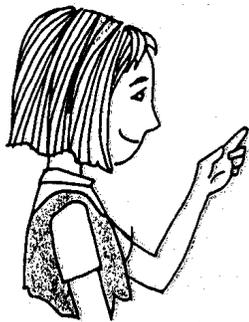
$$49 \times 28 \quad \underline{\hspace{2cm}} \quad \begin{matrix} + \\ ? \\ - \end{matrix}$$

$$6 \times 328 \quad \underline{\hspace{2cm}} \quad \begin{matrix} + \\ ? \\ - \end{matrix}$$

$$4102 \div 5 \quad \underline{\hspace{2cm}} \quad \begin{matrix} + \\ ? \\ - \end{matrix}$$

$$42 \times 38 \quad \underline{\hspace{2cm}} \quad \begin{matrix} + \\ ? \\ - \end{matrix}$$

Is the estimate too high, too low, or can't you tell? What strategy did you use to decide?



$$\frac{7}{9} + \frac{11}{12}$$

2 too high too low can't tell

$$\frac{5}{9} + \frac{3}{7}$$

1 too high too low can't tell

$$\frac{1}{3} \text{ of } \$73.59$$

\$25 too high too low cant' tell

$$\frac{1}{4} \text{ of } 250$$

60 too high too low can't tell

[Source: Estimation and Mental Computation-1986 Yearbook, National Council of Teachers of Mathematics, page 26]