

Smart Rounding Answer Key

- 1) Estimate: $5 + 3 = 8$. Exact: 7.9. Yes
- 2) Estimate: $10 - 3 = 7$. Exact: 6.7. Yes
- 3) Estimate: $3 \times 4 = 12$. Exact: 10.4. Yes
- 4) Estimate: $12 \div 3 = 4$. Exact: 4. Yes
- 5) Estimate: $8 + 6 = 14$. Exact: 13.4. Yes
- 6) Estimate: $15 - 7 = 8$. Exact: 8.3. Yes
- 7) Estimate: $3 \times 3 = 9$. Exact: 8.5. Yes
- 8) Estimate: $8 \div 2 = 4$. Exact: 4. Yes
- 9) Estimate: $2 + 7 = 9$. Exact: 8.7. Yes
- 10) Estimate: $10 - 4 = 6$. Exact: 5.3. Yes

Teacher's Guide

- Implementation tips
 - o Model one example by rounding first, estimating, solving exactly, and comparing the two answers.
 - o Emphasize that estimates do not have to match exactly, only be reasonably close.
- Differentiation strategies
 - o Provide a rounding reference chart for students who need support.
 - o Challenge advanced students to estimate using compatible numbers instead of only rounding to the nearest whole number.
- Engagement ideas
 - o Have students predict whether each exact answer will be greater or less than the estimate before solving.
 - o Let pairs compare estimates and discuss why different rounding choices may still produce reasonable estimates.
- Extension activities
 - o Ask students to write two decimal problems that have exact answers close to their estimates.
 - o Have students explain in writing why estimating is useful before calculating an exact answer.