

Smart Estimates Table Answer Key

1. Estimate: $5 + 2 = 7$; Exact: 7.1; Greater
2. Estimate: $9 - 4 = 5$; Exact: 5.7; Greater
3. Estimate: $3 \times 3 = 9$; Exact: 8.32; Less
4. Estimate: $8 \div 3 = 2.67$; Exact: 3; Greater
5. Estimate: $6 + 7 = 13$; Exact: 13.1; Greater
6. Estimate: $13 - 4 = 9$; Exact: 8.2; Less
7. Estimate: $2 \times 5 = 10$; Exact: 8.1; Less
8. Estimate: $10 \div 3 = 3.33$; Exact: 3; Less
9. Estimate: $7 + 2 = 9$; Exact: 8.6; Less
10. Estimate: $11 - 3 = 8$; Exact: 7.7; Less

Teacher's Guide

- Model the first problem by rounding each number before estimating, then solving exactly.
- Remind students that estimates should be close to, but not always the same as, the exact answer.
- Allow students who need support to use a place value chart when rounding.
- Have partners compare estimates before calculating exact answers and discuss any differences.
- Challenge advanced students to explain why some exact answers are greater than the estimate while others are less.
- Extend the activity by having students write two decimal problems whose exact answers are very close to their estimates.