

Reasonable Results Answer Key

(Estimates shown use rounding to the nearest whole number.)

1. Estimate: $4 + 5 = 9$; Exact: 8.97; Yes
2. Estimate: $12 - 6 = 6$; Exact: 6.54; Yes
3. Estimate: $3 \times 3 = 9$; Exact: 8.32; Yes
4. Estimate: $8 \div 2 = 4$; Exact: 4; Yes
5. Estimate: $6 + 1 = 7$; Exact: 7.73; Yes
6. Estimate: $10 - 3 = 7$; Exact: 6.72; Yes
7. Estimate: $1 \times 6 = 6$; Exact: 7.7; Yes
8. Estimate: $7 \div 1 = 7$; Exact: 8; Yes
9. Estimate: $10 + 3 = 13$; Exact: 13.05; Yes
10. Estimate: $16 - 8 = 8$; Exact: 7.15; Yes

Teacher's Guide

- Model rounding to the nearest whole number before students begin estimating.
- Remind students that an estimate is used to check whether an exact answer makes sense, not to replace it.
- Support struggling learners by allowing them to write rounded numbers beside each problem first.
- Have partners compare estimates before solving exactly and discuss any differences.
- Ask students to explain why an exact answer is reasonable using their estimate.
- Extend the activity by having students create two decimal problems for a classmate to estimate and solve.