

Name _____

Estimate Detectives Answer Key

1. Correct. $240 \div 6 = 40$.
2. Correct. $350 \div 7 = 50$.
3. Incorrect. $480 \div 8 = 60$.
4. Correct. $630 \div 9 = 70$.
5. Correct. $800 \div 4 = 200$.
6. Incorrect. $1,000 \div 5 = 200$.
7. Correct. $1,200 \div 6 = 200$.
8. Incorrect. $1,400 \div 7 = 200$.

Teacher's Guide

- Quick implementation: Review that a useful estimate should use nearby numbers that make division easier.
- Differentiation: Let students identify a nearby multiple of the divisor before judging each estimate.
- Engagement: Have students act as "detectives" and earn one point for each correct verdict and one point for each accurate correction.
- Extension: Ask students to rewrite one correct estimate so that it contains a believable error for a partner to find.