

Quotient Models Answer Key

1. $0.6 \div 3 = 0.2$. Quotient: 0.2
2. $0.8 \div 4 = 0.2$. Quotient: 0.2
3. $1.2 \div 3 = 0.4$. Quotient: 0.4
4. $0.9 \div 9 = 0.1$. Quotient: 0.1
5. $1.6 \div 4 = 0.4$. Quotient: 0.4
6. $2.4 \div 6 = 0.4$. Quotient: 0.4
7. $1.8 \div 2 = 0.9$. Quotient: 0.9
8. $3.2 \div 8 = 0.4$. Quotient: 0.4

Teacher's Guide

- Have students use actual hundred grids, decimal strips, or base-ten blocks before drawing their own models.
- Encourage students to explain how the model shows equal groups and why the quotient makes sense.
- Support learners by starting with problems involving tenths before moving to mixed decimals greater than 1.
- Challenge advanced students to create their own modeled decimal division problem for a classmate to solve.
- Ask students to compare two different models, such as a hundred grid and base-ten blocks, for the same division equation.
- Reinforce the connection between the visual model, the division equation, and the numerical quotient.