

Name: _____

Date: _____

Rules for Multiplication and Division with Significant Digits

Multiply or divide the numbers and then round the answer to the same number of significant digits as the number with the fewest number of significant digits.

$$\underbrace{2.3}_{2 \text{ sig fig}} \times \underbrace{3.55}_{3 \text{ sig fig}} = 8.165 = \underbrace{8.2}_{2 \text{ sig fig}}$$

$$\underbrace{2.3}_{2 \text{ sig fig}} \div \underbrace{3.55}_{3 \text{ sig fig}} = 0.647887 = \underbrace{0.65}_{2 \text{ sig fig}}$$

Multiply or divide and round to the correct number of significant digits:

1. $2.35 \times 1.2 = 2.82 = 2.8$

2. $2.87 \div 1.3 =$ _____

3. $13.456 \times 12 =$ _____

4. $123.8 \div 2.22 =$ _____

5. $123 \times 12 =$ _____

6. $55.5 \div 2.3 =$ _____

7. $15.00 \times 2 =$ _____

8. $15.00 \div 2.0 =$ _____

9. $15.00 \times 2.00 =$ _____

10. $15.00 \div 2.000 =$ _____