

Unit 5: Rational Number Arithmetic

ADVANCED • SET 2

Name: _____ Date: _____

Compute each expression. Give each answer as an exact fraction in lowest terms (like $-3/4$) or an exact decimal. Show your work.

1. Compute: $-3/4 + 5/6 - (-2/3)$

Answer: _____

2. Multiply: $(-2/5) \times (15/-8)$

Answer: _____

3. Divide: $(-7/12) \div (-14/9)$

Answer: _____

4. Compute: $-8.4 + 3.75 - (-2.05)$

Answer: _____

5. Compute (multiply before add): $-5/6 + (2/3) \times (-9/10)$

Answer: _____

6. Multiply: $(-1.5) \times (-4) \times (-0.5)$

Answer: _____

7. Compute: $(3/8 - 5/6) \div (-1/4)$

Answer: _____

8. Subtract the mixed numbers: $-2 \frac{3}{4} - (-1 \frac{1}{6})$

Answer: _____

9. Divide: $-0.6 \div 0.15$

Answer: _____

10. Compute left to right: $(-2/9) \times (-3/4) \div (5/6)$

Answer: _____

11. Compute (multiply before subtract): $12.5 - 4 \times (-2.25)$

Answer: _____

12. Compute: $(-4/5 + 7/10) \times (-2 \frac{1}{2})$

Answer: _____