

Unit 3: Extending Operations to Fractions

ADVANCED

Name: _____ Date: _____

Show your work and write each answer in simplest form (use mixed numbers where appropriate).

1. Compute $7/8 + 5/8 + 3/8$ and write the answer as a mixed number in simplest form.

Answer: _____

3. Compute $4 \frac{5}{12} + 3 \frac{11}{12}$ and write the answer as a mixed number in simplest form.

Answer: _____

5. Compute $5 \times 7/10$ and write the answer as a mixed number in simplest form.

Answer: _____

7. Compute $9 \frac{1}{6} - 4 \frac{5}{6}$ and write the answer as a mixed number in simplest form.

Answer: _____

9. Compute $(2 \frac{3}{5} + 1 \frac{4}{5}) + 3 \frac{3}{5}$ and write the answer as a mixed number in simplest form.

Answer: _____

11. Compute $10 \times 9/100 + 4/100$ and write the answer as a fraction in simplest form.

Answer: _____

2. A ribbon is $5 \frac{3}{10}$ meters long. Maya cuts off $2 \frac{7}{10}$ meters, then cuts off another $1 \frac{9}{10}$ meters. How many meters of ribbon are left?

Answer: _____

4. Find the value of $6 - 2 \frac{5}{9}$. Write the answer as a mixed number.

Answer: _____

6. A recipe uses $3/4$ cup of flour. If you make 6 batches, how many cups of flour are used in total? Write the answer as a mixed number.

Answer: _____

8. Evaluate $8 \times 3/8 - 2$. Write the answer as a whole number.

Answer: _____

10. A jug holds $4 \frac{1}{8}$ liters. You pour out $7 \times 3/8$ of a liter. How many liters remain? Write the answer as a mixed number.

Answer: _____

12. Three boards measure $2 \frac{5}{6}$ ft, $3 \frac{1}{6}$ ft, and $1 \frac{5}{6}$ ft. What is their total length? Write the answer as a mixed number in simplest form.

Answer: _____