

Unit 3: Fractions and Decimals

ADVANCED • SET 2

Name: _____

Date: _____

Show all work and give each answer as an exact number or fraction in simplest form.

1. Divide: $7/8 \div 14/15$. Write the answer as a fraction in simplest form.

Answer: _____

3. Compute: $4.86 \div 0.012$.

Answer: _____

5. Multiply: 3.75×2.4 .

Answer: _____

7. A ribbon $15 \frac{3}{4}$ meters long is cut into pieces each $2 \frac{5}{8}$ meters long. How many pieces are made?

Answer: _____

9. A wire costs \$0.62 per meter. If the total cost is \$27.90, how many meters were bought?

Answer: _____

11. Evaluate: $(6.4 + 3.6) \div 0.25 - 8$.

Answer: _____

2. A recipe uses $3/4$ cup of flour per batch. If you have $9 \frac{3}{8}$ cups of flour, how many full-and-partial batches can you make? Give the exact answer as a decimal.

Answer: _____

4. Evaluate: $(2 \frac{1}{3} \div 5/6) \times 3/4$. Give the answer as a fraction in simplest form.

Answer: _____

6. Using order of operations, evaluate: $12.5 - 3.2 \times 1.5 + 0.75$.

Answer: _____

8. Evaluate: $(5/6 + 3/4) \div 2/3$. Give the answer as a fraction in simplest form.

Answer: _____

10. Divide: $22/35 \div 11/14$. Write the answer as a fraction in simplest form.

Answer: _____

12. A container holds 18.4 liters. If $5/8$ of the liquid is poured out, how many liters remain?

Answer: _____