

Unit 2: Fraction Equivalence and Comparison

ADVANCED

Name: _____ Date: _____

Show your work and write each answer in lowest terms unless the problem says otherwise.

1. Fill in the missing numerator: $7/12 = ?/60$

Answer: _____

3. Write $42/56$ in lowest terms.

Answer: _____

5. Order these fractions from least to greatest, separating them with commas: $5/6$, $7/9$, $11/12$, $2/3$

Answer: _____

7. Which is greater, $8/11$ or $5/7$? Answer with the larger fraction ($8/11$ or $5/7$).

Answer: _____

9. Find the value of n : $15/n = 3/8$

Answer: _____

11. Compare $13/20$ and $2/3$ by using the common denominator 60. Write the smaller fraction as it appears ($13/20$ or $2/3$).

Answer: _____

2. Fill in the missing denominator: $9/15 = 51/?$ (write $9/15$ as an equivalent fraction with a numerator of 51)

Answer: _____

4. Compare $5/8$ and $7/12$ using a common denominator of 24. Write the larger fraction as it appears in the problem (either $5/8$ or $7/12$).

Answer: _____

6. A fraction is equivalent to $4/9$. Its denominator is 63. What is its numerator?

Answer: _____

8. Between $3/5$ and $4/5$, using the common denominator 20, how many fractions of the form $k/20$ lie strictly between them? Answer with a number.

Answer: _____

10. A whole pizza is cut so that $18/24$ is eaten. Written in lowest terms, what fraction was eaten?

Answer: _____

12. Two fractions are equivalent: $6/10 = a/b$, where $b - a = 20$. Find b .

Answer: _____