

Unit 5: Fractions as Numbers

ADVANCED

Name: _____ Date: _____

Show your work on scratch paper. Write each answer as a number or a fraction in the form a/b (use lowest terms only when the problem asks for it).

1. On a number line from 0 to 1 partitioned into eighths, point A sits at $3/8$ and point B sits at $7/8$. How many eighth-length steps do you travel to get from A to B? Give your answer as a fraction of the whole in the form $_/8$.

Answer: _____

3. Fill in the missing numerator so the fractions are equivalent: $4/6 = ?/12$. Give the numerator only.

Answer: _____

5. Compare $5/6$ and $5/8$. Which is larger? Write the larger fraction.

Answer: _____

7. Which of these three fractions is the largest: $2/3$, $5/6$, $7/12$? Rewrite all with denominator 12 first. Write the largest fraction in its original form.

Answer: _____

9. A point on the number line is at $6/6$. What whole number does it equal?

Answer: _____

2. A number line runs from 0 to 4 and is partitioned into thirds. Counting tick marks past 0, the 10th tick lands at what fraction in the form $_/3$?

Answer: _____

4. Fill in the missing denominator so the fractions are equivalent: $3/4 = 9/?$. Give the denominator only.

Answer: _____

6. Compare $7/8$ and $3/4$ by first rewriting $3/4$ with a denominator of 8, then answer: which is larger? Write the larger fraction.

Answer: _____

8. Whole numbers can be written as fractions. Write the whole number 6 as a fraction with a denominator of 4, in the form $_/4$.

Answer: _____

10. Order these from least to greatest and give the middle one: $3/4$, $2/4$, $5/4$. Write only the middle fraction.

Answer: _____

11. Two fractions $\frac{8}{12}$ and $\frac{2}{3}$ are marked on the same number line. Are they at the same point?

Answer yes or no.

Answer: _____

12. Find the missing numerator so all three are equivalent: $\frac{1}{2} = \frac{5}{10} = \frac{?}{16}$. Give the numerator only.

Answer: _____