

Entering 7th grade

ARE YOU READY?

✓ Find the Square of a Number

Evaluate.

1. 31^2

2. $(5.6)^2$

✓ Simplify Ratios

Write each ratio in simplest form.

13. 38:42

14. 150 to 36

✓ Compare and Order Decimals

Write each set of decimals in order from least to greatest.

3. 9.3, 3.09, 3.9, 3.011

4. 2.187, 2.1, 1.85, 1.58

✓ Fractions, Decimals, Percents

Write each fraction as a decimal and a percent.

15. $\frac{7}{8}$

16. $\frac{9}{75}$

17. $\frac{84}{112}$

18. $\frac{120}{75}$

✓ Write an Improper Fraction as a Mixed Number

Write each improper fraction as a mixed number.

5. $\frac{29}{6}$

6. $\frac{131}{15}$

✓ Multiply and Divide by Powers of Ten

Multiply or divide.

19. $863(1000)$

20. $\frac{19}{10,000}$

✓ Write a Mixed Number as an Improper Fraction

Write each mixed number as an improper fraction.

7. $8\frac{3}{7}$

8. $19\frac{4}{9}$

✓ Decimal Operations

Simplify each expression.

21. $8.76 + 3.5$

22. $43.8 - 5.9$

23. $16.7 \cdot 5.3$

24. $6.4 \div 2.5$

✓ Find Common Denominators

Find the least common denominator for each set of fractions.

9. $\frac{3}{8}$ and $\frac{5}{6}$

10. $\frac{1}{8}$, $\frac{1}{9}$, and $\frac{1}{12}$

✓ Operations with Fractions

Add. Write each answer in simplest form.

25. $\frac{3}{8} + \frac{5}{12}$

26. $\frac{2}{3} + \frac{3}{4} + \frac{4}{5}$

Multiply. Write each answer in simplest form.

27. $\frac{3}{4} \cdot \frac{8}{9}$

28. $\frac{5}{7} \cdot \frac{3}{8}$

✓ Write Fractions as Decimals

Write each fraction as a decimal.

11. $\frac{3}{5}$

12. $\frac{17}{25}$