

CHAPTER 2 | CUMULATIVE REVIEW

Fractions and Decimals

Name _____

Date _____

Show organized work. Simplify fractions. Explain when asked.

1. Evaluate $18 + 24 \div 6 \times 3$.

2. Write the prime factorization of 72.

3. Find GCF(18,30) and simplify $\frac{18}{30}$.

4. Find the LCD of $\frac{1}{6}$ and $\frac{3}{8}$, then find their sum.

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5. Find $\frac{3}{4} \times 2\frac{2}{3}$ and explain why its value is greater than $\frac{3}{4}$.

6. Find $\frac{5}{6} \div \frac{2}{3}$ and check with multiplication.

7. A $4\frac{1}{2}$ -meter ribbon is cut into $1\frac{1}{4}$ -meter lengths. Find the number of complete lengths and the leftover amount.

8. A student adds $1.8 + 0.35$ by lining up the rightmost digits. Explain the error and correct the sum.

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9. You have \$20.00 and spend \$3.85 and \$6.40. Find the amount remaining.

10. Find 2.4×1.25 using two different methods.

11. Find $0.756 \div 0.6$ using an equivalent division with a whole-number divisor.

12. A 6.3-meter ribbon is cut into 0.45-meter pieces. How many pieces are made? Explain why the result is greater than 6.3.
