

1. Simplify $-\frac{36}{84}$ to lowest terms.

$$-\frac{36 \div 4}{84 \div 4} = -\frac{9 \div 3}{21 \div 3} = \boxed{-\frac{3}{7}}$$

2. Simplify $-\frac{182}{234}$ to lowest terms.

$$-\frac{182 \div 2}{234 \div 2} = -\frac{91 \div 13}{117 \div 13} = \boxed{-\frac{7}{9}}$$

$$\begin{array}{r} 91 \\ 7 \overline{) 91} \\ \underline{63} \\ 28 \\ \underline{21} \\ 7 \end{array}$$

$$\begin{array}{r} 9 \\ 13 \overline{) 117} \\ \underline{117} \\ 0 \end{array}$$

3. Write $\frac{-168}{105}$ as a mixed number and simplify.

$$\frac{-168}{105} = -1 \frac{63}{105} = -1 \frac{21}{35} = \boxed{-1 \frac{3}{5}}$$

4. Simplify $\frac{28xy^2}{63x^3y}$ to lowest terms.

$$\frac{\overset{4}{\cancel{28}} \overset{1}{\cancel{x}} \overset{2}{\cancel{y^2}}}{\underset{9}{\cancel{63}} \overset{3}{\cancel{x^3}} \overset{1}{\cancel{y}}} = \boxed{\frac{4y}{9x^2}}$$

5. Simplify $-\frac{13a^6b}{26a^4b^4}$ to lowest terms.

$$-\frac{\overset{1}{\cancel{13}}\overset{2}{a^6}\overset{1}{\cancel{b}}}{\underset{2}{\cancel{26}}\underset{1}{\cancel{a^4}}\underset{3}{b^4}} = \boxed{-\frac{a^2}{2b^3}}$$

6. Simplify $\frac{8x^6yz^4}{-32x^2y^5z^3}$ to lowest terms.

$$\frac{\overset{1}{\cancel{8}}\overset{4}{x^6}\overset{1}{\cancel{y}}\overset{2}{z^4}}{\underset{-4}{\cancel{-32}}\underset{1}{\cancel{x^2}}\underset{4}{y^5}\underset{3}{\cancel{z^3}}} = \boxed{\frac{x^4z}{-4y^4}}$$

Q: What is the word that everybody always says wrong?