

Fractions- Simplify (Reduce to simplest form.) (No Negatives or Zeros)

$$1) \frac{12}{15} = \frac{4}{5}$$

$$7) \frac{24x^3y}{7 \cdot 21x} = \frac{8x^2y}{7}$$

$$13) \frac{x^3y}{xy^2} = \frac{x^2}{y}$$

$$2) \frac{r^3q}{r^2q^3} = \frac{r}{q^2}$$

$$8) \frac{30b}{10b} = \frac{3}{1} = 3$$

$$14) \frac{48x^2}{30x^3} = \frac{8}{5x}$$

General note:

You may choose to reduce in an order that differs from the key, but your final answer should always match.

$$3) \frac{21xy}{14x^2y} = \frac{3}{2x}$$

$$9) \frac{xy^3}{x^2y^3} = \frac{1}{x}$$

$$15) \frac{20}{36} = \frac{5}{9}$$

$$4) \frac{36x^2}{9x} = \frac{4x}{1} = 4x$$

$$10) \frac{27}{45} = \frac{3}{5}$$

$$16) \frac{56a^2bc}{21ac} = \frac{8ab}{3}$$

$$5) \frac{18}{36} = \frac{1}{2}$$

$$11) \frac{q^3r^2}{qr} = \frac{q^2r}{1} = q^2r$$

$$17) \frac{63}{72} = \frac{7}{8}$$

$$6) \frac{r}{r^2} = \frac{1}{r}$$

$$12) \frac{13}{26} = \frac{1}{2}$$

$$18) \frac{xyz}{xy} = \frac{z}{1} = z$$