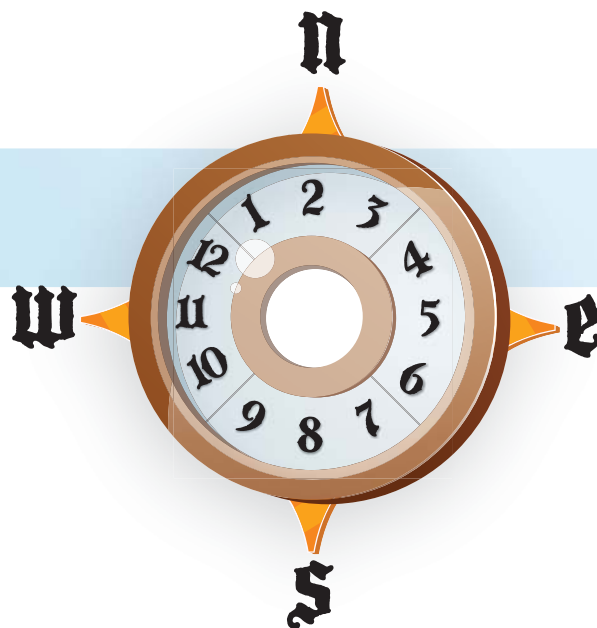




Steer & Simplify #1



Navigate the treacherous seas by simplifying the following fractions. Use the compass on the right to guide you. Start at the red arrow and go north, south, east or west to the next square with each fraction you reduce. Draw a line to track your journey. Show your work.

Compass Instructions: Once you reduce a fraction completely, look at its denominator and then find that number on the compass and move in the direction it points.

$$\frac{9}{54} = \frac{1}{6} \quad \frac{6}{15} = \frac{2}{5} \quad \frac{6}{8} = \frac{3}{4} \quad \frac{27}{45} = \frac{3}{5}$$

$$\frac{16}{24} = \frac{2}{3} \quad \frac{24}{27} = \frac{8}{9} \quad \frac{35}{84} = \frac{5}{12} \quad \frac{18}{60} = \frac{3}{10}$$

$$\frac{15}{30} = \frac{1}{2} \quad \frac{5}{40} = \frac{1}{8} \quad \frac{32}{40} = \frac{4}{5} \quad \frac{4}{6} = \frac{2}{3}$$

$$\frac{9}{18} = \frac{1}{2} \quad \frac{28}{40} = \frac{7}{10} \quad \frac{9}{27} = \frac{1}{3} \quad \frac{40}{55} = \frac{8}{11}$$

11 is between 9 and 12,
so go west

