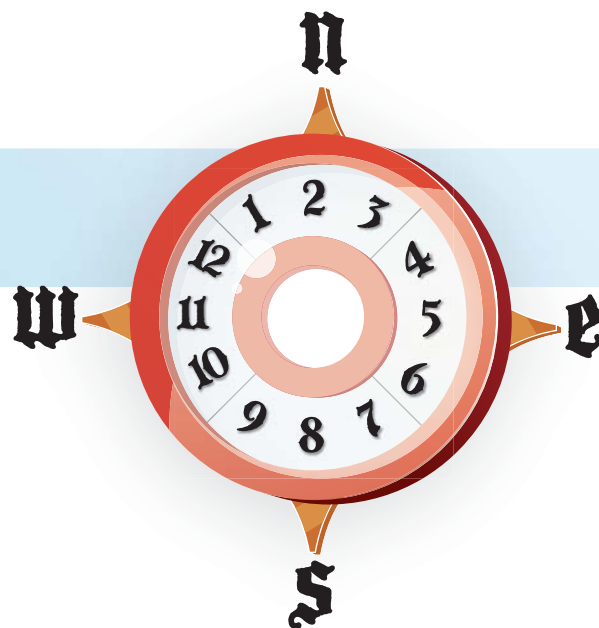




Steer & Simplify #5



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.

$\frac{6}{15} = \frac{2}{5}$	$\frac{5}{35} = \frac{1}{7}$	$\frac{4}{40} = \frac{1}{10}$	$\frac{4}{48} = \frac{1}{12}$
$\frac{8}{40} = \frac{1}{5}$	$\frac{15}{33} = \frac{5}{11}$	$\frac{5}{30} = \frac{1}{6}$	$\frac{7}{21} = \frac{1}{3}$
$\frac{2}{8} = \frac{1}{4}$	$\frac{9}{12} = \frac{3}{4}$	$\frac{3}{6} = \frac{1}{2}$	$\frac{28 \div 4}{32 \div 4} = \frac{7}{8}$
$\frac{5}{10} = \frac{1}{2}$	$\frac{18}{66} = \frac{3}{11}$	$\frac{42}{60} = \frac{7}{10}$	$\frac{2}{24} = \frac{1}{12}$

The grid contains several grey islands. A red dashed line traces a path starting from the red arrow on the right, moving west to the fraction $\frac{28}{32} = \frac{7}{8}$, then north to $\frac{2}{8} = \frac{1}{4}$, then west to $\frac{9}{12} = \frac{3}{4}$, then north to $\frac{5}{30} = \frac{1}{6}$, then west to $\frac{15}{33} = \frac{5}{11}$, then north to $\frac{8}{40} = \frac{1}{5}$, then west to $\frac{6}{15} = \frac{2}{5}$, then north to $\frac{5}{35} = \frac{1}{7}$, then west to $\frac{4}{40} = \frac{1}{10}$, then north to $\frac{4}{48} = \frac{1}{12}$, then west to $\frac{42}{60} = \frac{7}{10}$, then north to $\frac{18}{66} = \frac{3}{11}$, then west to $\frac{5}{10} = \frac{1}{2}$, then north to $\frac{2}{24} = \frac{1}{12}$, and finally west to $\frac{5}{33} = \frac{5}{11}$.