Fractions in Simplest Form

Write $\frac{20}{24}$ in simplest form. Divide by common factors.

- Divide by common factors until the only common factor is 1.
- You can start by dividing by 2, since both numbers are even.

\[
\frac{20}{24} \div 2 = \frac{10}{12}
\]

But both 10 and 12 are also even, so they can be divided by 2.

\[
\frac{10}{12} \div 2 = \frac{5}{6}
\]

- Since 5 and 6 do not have any common factors, $\frac{5}{6}$ is the simplest form.

$\frac{20}{24}$ written in simplest form is $\frac{5}{6}$.

Write each fraction in simplest form.

1. $\frac{16}{20}$
2. $\frac{8}{16}$
3. $\frac{5}{10}$
4. $\frac{8}{32}$
5. $\frac{18}{42}$
6. $\frac{15}{100}$
7. $\frac{18}{21}$
8. $\frac{24}{40}$
9. $\frac{55}{70}$

10. Explain how you can tell that $\frac{31}{33}$ is in simplest form.