

Compare the following fractions without finding a common denominator. Use number sense to determine your answer mentally. Circle the greater fraction and describe the reasoning you used.

Fractions	Reasoning
$\frac{7}{12}$ $\frac{7}{15}$	<i>Strategy: Common Numerators</i> <i>Reasoning: One twelfth is greater than one fifteenth. Seven larger parts is greater than seven smaller parts.</i>
$\frac{9}{10}$ $\frac{99}{100}$	<i>Strategy: Compare to one</i> <i>Reasoning: Both fractions are one part less than one. One tenth is greater than one hundredth. Ninety-nine hundredths is missing a smaller part.</i>
$\frac{7}{16}$ $\frac{9}{12}$	<i>Strategy 1: Compare to one half</i> <i>Reasoning: Seven sixteenths is less than one half, and nine twelfths is more than one half.</i> <i>Strategy 2: Compare size of parts</i> <i>Reasoning: Nine twelfths has larger parts and more parts than seven sixteenths.</i>
$\frac{57}{100}$ $\frac{3}{8}$	<i>Strategy: Compare to one half</i> <i>Reasoning: Three eighths is less than one half and fifty-seven hundredths is more than one half.</i>
$\frac{3}{4}$ $\frac{4}{5}$	<i>Strategy: Compare to one</i> <i>Reasoning: Both fractions are one part less than one. One fifth is less than one fourth. Four fifths is missing a smaller part.</i>
$\frac{8}{10}$ $\frac{8}{20}$	<i>Strategy: Common Numerators</i> <i>Reasoning: One tenth is larger than one twentieth. Eight larger parts are greater than eight smaller parts.</i>
$\frac{4}{9}$ $\frac{4}{30}$	<i>Strategy: Common Numerators</i> <i>Reasoning: One ninth is larger than one thirtieth. Four larger parts are greater than four smaller parts.</i>