

Comparing fractions using a common denominator

<p>1. Connor has read $\frac{1}{3}$ of his book. Ed has read $\frac{2}{5}$ of his. Agatha has read $\frac{3}{10}$ of hers. Put them in order beginning with who has read the most of their book.</p>	<p>2. Harry got $\frac{3}{8}$ of his test correct. Shanai got $\frac{7}{16}$ correct. Who achieved the highest score?</p>
<p>3. Jo says that $\frac{4}{9}$ is greater than $\frac{7}{18}$. Is she right? Explain your answer.</p>	<p>4. How many ways are there of making this statement true: $\frac{2}{7} > \frac{\square}{14}$</p>
<p>5. Place the correct symbol (<, >, =) in the box. $\frac{4}{9} \square \frac{2}{3}$</p>	<p>6. When the denominator gets bigger, the fraction gets smaller. Is this always, sometimes or never true?</p>
<p>7. Daren says that $\frac{6}{7}$ is greater than $\frac{5}{6}$ because it is closer to 1 whole. Is this right?</p>	<p>8. Tom watched $\frac{3}{8}$ of a film on Friday. He watched another $\frac{2}{5}$ of the film on Saturday. On Sunday, he watched the rest. On which day did he watch the most?</p>
<p>9. Use the digit cards:</p> <div style="display: flex; justify-content: center; gap: 10px; margin: 10px 0;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 15px; display: inline-block;">3</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 15px; display: inline-block;">4</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 15px; display: inline-block;">5</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 15px; display: inline-block;">6</div> </div> <p style="text-align: center; margin: 10px 0;">Find ways of completing the statement: $\frac{\square}{\square} > \frac{\square}{\square}$</p> <p style="text-align: center;">How many ways are there? Can you include any improper fractions?</p>	

Comparing fractions using a common denominator - ANSWERS

<p>1. Ed has read the most ($\frac{2}{5}$) followed by Connor ($\frac{1}{3}$) and Agatha ($\frac{3}{10}$).</p>	<p>2. Shanai</p>
<p>3. Jo is correct. $\frac{4}{9}$ is equivalent to $\frac{8}{18}$ which is greater than $\frac{7}{18}$.</p>	<p>4. $\frac{1}{14}, \frac{2}{14}, \frac{3}{14}$</p>
<p>5. $\frac{4}{9} < \frac{2}{3}$</p>	<p>6. If the numerator remains the same, then the fraction will always get smaller when the denominator gets bigger.</p>
<p>7. Daren is correct. $\frac{6}{7}$ is one seventh less than one whole, whereas $\frac{5}{6}$ is one sixth less than one whole. One seventh is smaller.</p>	<p>8. Tom watched the most on Saturday.</p>
<p>9. Use the digit cards:</p> <div style="display: flex; justify-content: center; gap: 10px; margin: 10px 0;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 15px; display: inline-block;">3</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 15px; display: inline-block;">4</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 15px; display: inline-block;">5</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 15px; display: inline-block;">6</div> </div> <p style="margin-top: 20px;">Find ways of completing the statement: $\frac{\square}{\square} > \frac{\square}{\square}$</p> <p style="margin-top: 10px;">Check pupils' work – there are many solutions.</p>	