

Y5 – Spring – Block 3 – Step 13 – Percentages as fractions Answers

Question	Answer															
1	<table border="1"> <thead> <tr> <th>Hundred square</th> <th>Percentage</th> <th>Fraction</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>52%</td> <td><math>\frac{52}{100}</math></td> </tr> <tr> <td>B</td> <td>24%</td> <td><math>\frac{24}{100}</math></td> </tr> <tr> <td>C</td> <td>88%</td> <td><math>\frac{88}{100}</math></td> </tr> <tr> <td>D</td> <td>100%</td> <td><math>\frac{100}{100}</math></td> </tr> </tbody> </table>	Hundred square	Percentage	Fraction	A	52%	$\frac{52}{100}$	B	24%	$\frac{24}{100}$	C	88%	$\frac{88}{100}$	D	100%	$\frac{100}{100}$
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2	<p>a) <math>\frac{1}{10} = \frac{10}{100} = 10\%</math></p> <p>b) 30% <math>\frac{9}{10}</math></p> <p>70% <math>\frac{5}{10}</math></p>															
3	<p>a) <math>\frac{1}{5} = \frac{2}{10} = \frac{20}{100} = 20\%</math></p> <p>b) 40% <math>\frac{3}{5}</math></p> <p>80% <math>\frac{5}{5}</math></p>															
4	<p>a) &gt;</p> <p>b) &lt;</p> <p>c) &lt;</p> <p>d) =</p> <p>e) &gt;</p> <p>f) =</p>															
5	<p>a) 3% <math>\frac{13}{100}</math> <math>\frac{30}{100}</math> 33%</p> <p>b) 9% <math>\frac{9}{10}</math> <math>\frac{91}{100}</math> 99%</p>															
6	<p>sometimes true</p> <p>For example:</p> <p><math>\frac{55}{100} = 55\%</math>      <math>\frac{3}{10} = 30\%</math></p>															
7	<table> <tbody> <tr> <td><math>\frac{10}{50}</math></td> <td><math>\frac{4}{5}</math> ✓</td> <td><math>\frac{50}{100}</math> ✓</td> </tr> <tr> <td><math>\frac{30}{80}</math></td> <td><math>\frac{1}{50}</math></td> <td><math>\frac{70}{140}</math> ✓</td> </tr> </tbody> </table>	$\frac{10}{50}$	$\frac{4}{5}$ ✓	$\frac{50}{100}$ ✓	$\frac{30}{80}$	$\frac{1}{50}$	$\frac{70}{140}$ ✓									
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**Y5 – Spring – Block 3 – Step 13 – Percentages as fractions Answers (continued)**

Question	Answer
8	a) Jack $\frac{1}{3} = 0.333... = 33.333...%$ , which is greater than 30%. or $\frac{1}{3} = \frac{10}{30}$ and $30\% = \frac{3}{10} = \frac{9}{30}$ , which is less than $\frac{10}{30}$ b) Jack £200 Dora £210