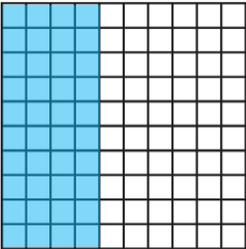
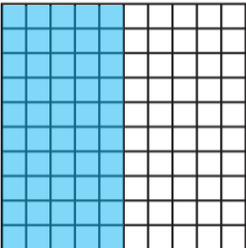
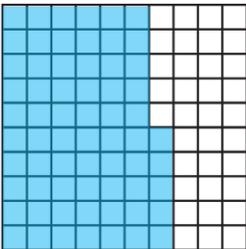
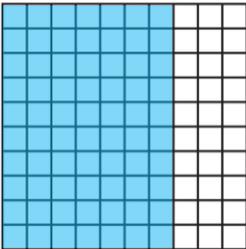
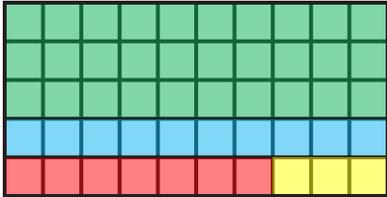


Question	Answer
1	<p>a) $\frac{3}{10}$</p> <p>b) $\frac{7}{10}$</p> <p>c) 30%</p> <p>d) 70%</p> <p>e) They add up to 100%.</p>
2	<p>a) </p> <p>40%</p> <p>b) </p> <p>50%</p> <p>c) </p> <p>65%</p> <p>d) </p> <p>70%</p> <p>The grids all have the same number of squares, and the percentage is the number of shaded squares. The denominators of the fractions are not all the same.</p>

Question	Answer
3	a) $\frac{9}{10} = \frac{90}{100} = 90\%$ b) $\frac{9}{20} = \frac{45}{100} = 45\%$ c) $\frac{9}{50} = \frac{18}{100} = 18\%$ d) $\frac{9}{25} = \frac{36}{100} = 36\%$
4	a) 25% 50% 75% b) 20% 40% 80% c) 80% 40% 20% d) 90% 90% 90% Children may recognise various patterns: Part a): As the fraction goes up by $\frac{1}{4}$, the percentage goes up by 25%. Part b): When the numerator of the fraction is doubled, the percentage is doubled. Part c): When the numerator of the fraction is halved, the percentage is halved. Part d): All the fractions are equivalent and give the same percentage.
5	No. Tiny has doubled the percentage when he should have divided it by 2 The correct answer is 5%.
6	a)  b) 6%
7	a) $\frac{1}{2} > 40\%$ $75\% = \frac{3}{4}$ $\frac{3}{5} < 65\%$ b) This is the only solution.