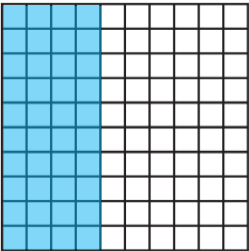
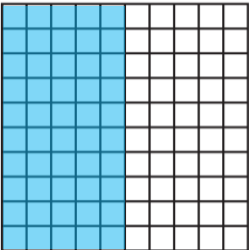
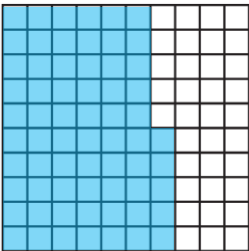
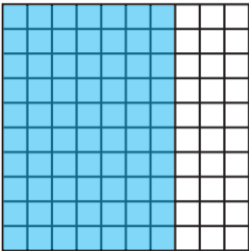
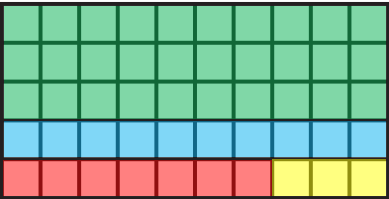


Question	Answer
1	<div><div>a) $\frac{3}{10}$</div><div>b) $\frac{7}{10}$</div><div>c) 30%</div><div>d) 70%</div><div>e) They add up to 100%.</div></div>
2	<div><div>a) </div><div>40%</div><div>b) </div><div>50%</div><div>c) </div><div>65%</div><div>d) </div><div>70%</div><div>The grids all have the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

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