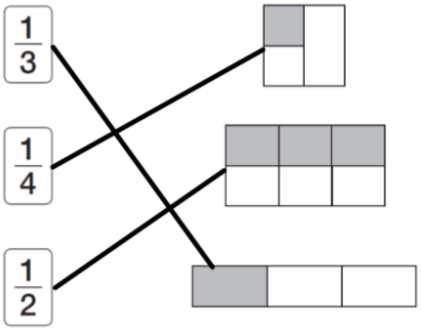
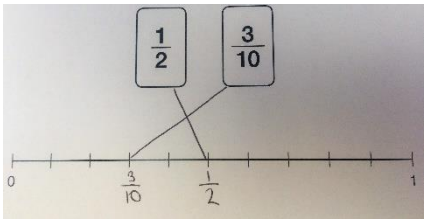
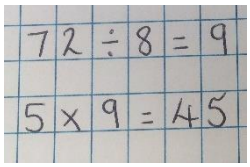
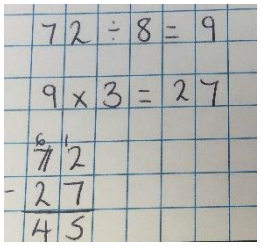
Year 5 – Reasoning and Problem Solving – Spring

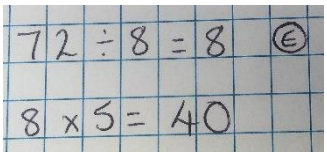
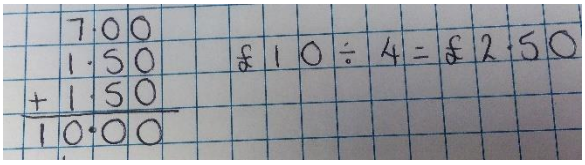
General Marking Principles

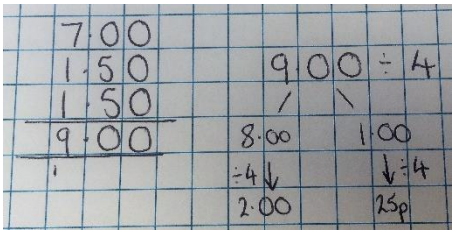
- Allow answers given in words unless otherwise instructed. Ignore spelling errors provided intention is clear.
- For numbers with four or more digits, accept answers with or without a comma or other separator.

Question	Answer	Marks	Notes and guidance
Q1	3.42	1	
	3.62	1	
Q2	274	1	
Q3	Raj has not added the two tens he has exchanged.	1	Do not award a mark if children have only corrected Raj's mistake; they need to provide a written explanation that refers to the tens.
Q4	74	1	
	222	1	
Q5		1	All 3 must be matched correctly to be awarded the mark.
Q6		2	Award 1 mark for each correctly placed fraction.

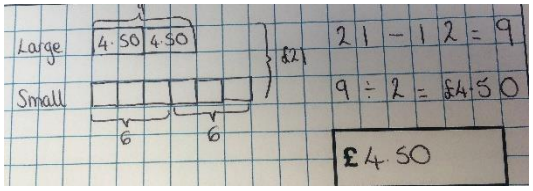
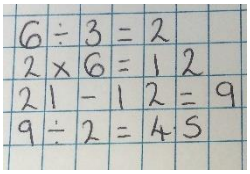
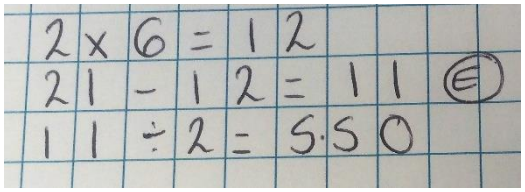
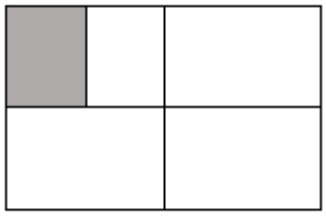
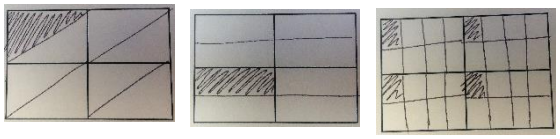
<table>
<tr><td>Q7</td><td>45</td><td>2</td><td>Award 2 marks for the correct answer.
Possible methods:
 

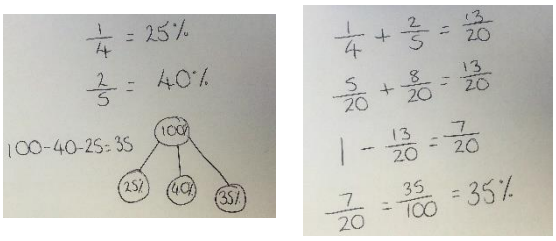
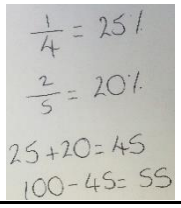
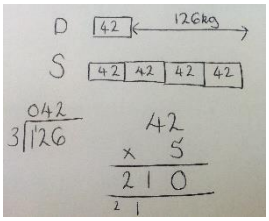
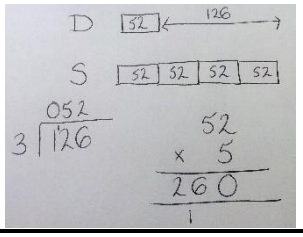
 

Award 1 mark for fully correct method with no more than one numerical error.
 
</td></tr>
<tr><td>Q8</td><td>Indicates $\frac{7}{8}$</td><td>1</td><td>Accept any clear indication – circle, underlined etc.</td></tr>
<tr><td>Q9</td><td>£2.50</td><td>2</td><td>Award 2 marks for the correct answer.
 

Award 1 mark for fully correct method with no more than one numerical error.
 
</td></tr>
<tr><td>Q10</td><td>8</td><td>1</td><td></td></tr>
<tr><td></td><td>5</td><td>1</td><td>Accept any value in the range 4.9 to 5.1</td></tr>
<tr><td>Q11</td><td><table><tr><th>Fraction</th><th>Decimal</th><th>Percentage</th></tr><tr><td>$\frac{4}{10}$</td><td>0.4</td><td>40%</td></tr><tr><td>$\frac{51}{100}$</td><td>0.51</td><td>51%</td></tr><tr><td>$\frac{3}{100}$</td><td>0.03</td><td>3%</td></tr></table></td><td>2</td><td>Award 2 marks for all 4 conversions correct.

Award 1 mark for 2 or 3 conversions correct.</td></tr>
</table>

Q12	6.002, 6.02, 6.2, 6.22	1	
Q13	£4.50	2	Award 2 marks for the correct answer. Do not accept 4.5 Possible methods:   and then £4.50 seen. Award 1 mark for fully correct method with no more than one numerical error.  Also award 1 mark for £4.5 obtained from a fully correct method.
Q14	5 + 16 OR 17 + 4	1	Do **not** accept e.g. 16 + 5, 4 + 17
Q15	32	1	
Q16	e.g. 	1	Accept any other example where one of the quarters has been split in half e.g. using a horizontal line or a diagonal line, or one eighth of each part shaded 
Q17	Any of 5,649 5,694 5,946 5,964 6,459 6,495	1	
	6,954	1	

Q18	35%	2	Award 2 marks for the correct answer. Possible methods:  Award 1 mark for fully correct method with no more than one numerical error. 
Q19	210	2	Award 2 marks for the correct answer. Possible method:  Award 1 mark for fully correct method with no more than one numerical error. 

Total: 30 marks