

## DIVISION PROBLEMS

KS1 – 2002 Paper

1.

34	110 (straws)	1	
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KS1 – 2003 Paper 2

2.

7	7 (teams)	1	
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3.

<p style="margin: 0;">19</p> <div style="text-align: right; margin-right: 10px;"> <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">U1</span> </div>	<p style="margin: 0;">9 (cartons)</p> <p style="margin: 10px 0 0 0;">This mark may be awarded for children who:</p> <p style="margin: 0 0 0 20px;">a) have the <b>wrong answer</b> but a <b>complete and correct method</b> that is communicated clearly;</p> <p style="margin: 0 0 0 20px;"><b>or</b></p> <p style="margin: 0 0 0 20px;">b) have written a number greater than 8 and less than 9, or 8 remainder 2 as evidence of an appropriate method.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; width: fit-content;"> <p style="margin: 0;">Use the acceptable and unacceptable responses given on pages 44 and 45 to help make your decision.</p> </div>	<p style="margin: 0;">2</p> <p style="margin: 10px 0 0 0;"><b>OR</b></p> <p style="margin: 0;">1</p>	<p style="margin: 0;">Award both marks for the correct answer by entering <b>1</b> in each mark box.</p> <p style="margin: 10px 0 0 0;"> A child with a correct answer can be awarded two marks even if they have failed to record an appropriate method or any method at all, since it can be assumed that they used a correct mental method to reach their answer.</p> <p style="margin: 10px 0 0 0;">If mark awarded, enter a <b>1</b> then <b>0</b> in the mark boxes.</p> <p style="margin: 10px 0 0 0;"> One mark may be awarded to children who have failed to record the correct answer provided they have demonstrated a complete and correct method for sharing 50 cups into groups of six. (This method might be numerals, signs, words or diagrams or any mixture of these.)</p>
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4.

<p>24 <span style="float: right;">U1</span></p>	<p>This mark may be awarded for children who have a method that communicates clearly how <math>70 \div 5</math> could have been calculated.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Use the acceptable and unacceptable responses given on pages 46 and 47 to help make your decision.</p> </div>	<p>1</p>	<p>Award the mark if the method they communicate clearly indicates that they have attempted to split 70 into groups of five or 14 using a complete and correct method. (This method might be numerals, signs, words or diagrams or any mixture of these.)</p>
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KS1 – 2007 Paper 1

5.

15	24 (children)	1	
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6.

25	10 (bags)	1	
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KS1 – 2007 Paper 2

7.

13	Writes any two numbers in the empty boxes that multiply to give 30.	1	<p>◆ These are the possible correct pairs of whole numbers and can be given in <b>either order</b>:</p> <p style="margin-left: 40px;">1, 30</p> <p style="margin-left: 40px;">2, 15</p> <p style="margin-left: 40px;">3, 10</p> <p style="margin-left: 40px;">5, 6</p>
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KS1 – 2009 Paper 2

8.

<p>U1 27</p>	<p>Calculation completed as shown:</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin-top: 10px;"> <math>14 + 14 + 14 = 42</math> </div>	<p>1</p>	<p><b>Do not accept</b> an addition that gives the answer 42 using different numbers.</p>
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KS1 – 2016 Paper - Reasoning

9.

27	<p>Award <b>TWO</b> marks for the correct answer of: 12 (raisins).</p> <p>If the answer is incorrect, award <b>ONE</b> mark for evidence of appropriate method, e.g.</p> <ul style="list-style-type: none"> <li>• <math>50 - 23 = 27</math></li> <li>• <math>27 - 15 =</math></li> </ul>	2m	
OR	1m	<p>Award <b>ONE</b> mark for a complete correct method.</p> <p>(Use the acceptable and unacceptable responses given on pages 22 to 25 to help you make your decision.)</p>	

KS1 – 2016 Paper – Reasoning (Second)

10.

19	6 (bags)	1m	
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KS1 – 2017 Paper – Reasoning

11.

14	5 (bananas)	1m	
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KS1 – 2018 Paper – Reasoning

12.

16	4 (fish)	1m	<p>The correct number of 4 must be seen for the award of the mark.</p> <p>Also accept the word 'four' written as long as it is clear it is the pupil's final answer.</p>
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KS1 – 2019 Paper – Reasoning

13.

26	<p>Number sentence completed correctly as shown:</p> $\boxed{30} \div \boxed{3} = \boxed{10}$	1m	<p>All three numbers must be correct for the award of the mark.</p> <p><b>Do not accept</b> <math>30 \div 10 = 3</math></p>
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KS1 – 2022 Paper – Reasoning

14.

18	10 (cards)	1m	
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15.

25	6 (rows)	1m	
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