

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	$\frac{6}{10}, \frac{7}{10}$	1	Accept $\frac{3}{5}$ for $\frac{6}{10}$
Q2	£3 and 17p	1	
Q3	18	1	
	Favourite fruit Tally Image: Crapes Image: Crapes Iman	1	
Q4	6 apples indicated e.g.	1	Any 6 apples indicated. Accept any clear indication – circle, underlined etc.
Q5	В	1	
Q6	$\frac{\frac{2}{4} \text{ or } \frac{1}{2}}{\frac{4}{10} \text{ or } \frac{2}{5}}$	2	Award 1 marks for any two correct fractions.
Q7	300 5 120	2	Award 1 marks for any two correct answers.

Year 3 – Reasoning and Problem Solving – Spring



Q8	72	2	Award 2 marks for 72 correctly calculated. Possible methods: $\begin{array}{r} 4 \times 3 = 12 \\ 2 \times 3 = 60 \\ 3 = 60 \\ 1 & 2 \\ \hline 1 & 2 \\ \hline 2 & 3 \\ \hline 1 & 2 \\ \hline 2 & 3 \\ \hline 1 & 2 \\ \hline 2 & 4 \\ \hline 3 & 7 \\ \hline 7 & 2 \\ \hline 1 & 2 \\ \hline 7 & 2 \\ \hline 1 & 2 \\ \hline 7 & 2 \\ \hline 1 & 2 \\ \hline 7 & 2 \\ \hline 1 & 2 \\ \hline 7 & 2 \\ \hline 1 & 2 \\ \hline 7 & 2 \\ \hline 1 & 2 \\ \hline 7 & 2 \\ \hline 1 & 2 \\ \hline 7 & 2 \\ \hline 1 & 2 \\ \hline 7 & 2 \\ \hline 1 & 2 \\ \hline 7 & 2 \\ \hline 1 & 2 \\ \hline 7 & 2 \\ \hline 1 & 2 \\ \hline 7 & 2 \\ \hline 1 & 2 \\ \hline 7 & 2 \\ \hline 1 & 2 \\ \hline 7 & 2 \\ \hline 1 & 2 \\ \hline 7 & 2 \\ \hline 1 & 2 \\ \hline 7 & 2 \\ \hline 1 &$
Q9	8	2	Award 2 marks for 8 correctly calculated. Possible method: $3 \times 4 = 12$ 40 = 5 = 8 Award 1 mark for fully correct method with no more than one numerical error. $3 \times 4 = 12$ 52 - 12 = 40 $3 \times 4 = 12$ 52 - 12 = 40 40 = 5 = 9
Q10	$ \begin{array}{c} 1\\ \overline{7}\\ 10\\ \overline{10}\\ $	1	
Q11	53	2	Award 2 marks for the correct answer. Award 1 mark for fully correct method to subtract 79 from 132 with no more than one numerical error.
Q12	2 m	1	Accept any clear indication – circle, underlined etc.

Year 3 – Reasoning and Problem Solving – Spring



Q13	£862	2	Award 2 marks for the correct answer. Possible methods: $ \begin{array}{c} & & & & & & & & & & & & & & & & & & &$
Q14	Indicates "No" AND gives a valid reason e.g. "Sophie is not correct because there are 100 cm in a metre so 50 cm is half of 1 m"	1	Must indicate "No" Reason must imply knowledge that 1 m is equal to 100 cm.
Q15	70	2	Award 2 marks for the correct answer. Possible methods: Mea <u>14 14 14 14</u> ? <u>14</u> 56 Women <u>14</u> ? <u>14</u> 56 Women <u>14</u> ? <u>14</u> 56 1 Mea <u>14 14 14</u> ? <u>14</u> 56 <u>14</u> 70 <u>56</u> 1 Mea <u>14</u> 14 14 <u>14</u> ? <u>14</u> <u>70</u> <u>56</u> 1 Mea <u>14</u> 14 14 <u>14</u> ? <u>14</u> <u>70</u> <u>70</u> Award 1 mark for fully correct method with no more than one numerical error e.g. <u>14 × 4 = 46</u> <u>46 + 14 = 60</u>

Year 3 – Reasoning and Problem Solving – Spring



)
Q16	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	
Q17	£2 and 30 p	2	Award 2 marks for the correct answer. Possible method: $ \begin{array}{r}35 + 70 & 350 \\ + 35 + 50 & -120 \\ \hline 70 & 120 & -120 \\ \hline 230 \end{array} $ Award 1 mark for fully correct method with no more than one numerical error e.g. $ \begin{array}{r}50 & 350 \\ 35 & -110 \\ \hline 110 & 240 \\ \hline 110 & 240 \end{array} $
Q18	$\frac{4}{10}$	1	Accept $\frac{2}{5}$
Q19	Class 2 and Class 3	1	
Q20	6	2	Award 2 marks for the correct answer. Possible method: Chickens $\boxed{222212121212}$ Sheep $\boxed{4149441414}$ $9 \times 2=18$ $\frac{342}{24}$ Award 1 mark for fully correct method with no more than one numerical error $9 \times 2=18$ $42 - 18 = 36 = -\frac{42}{18}$ $42 - 18 = 36 = -\frac{42}{36}$

