## Spring mark scheme

## Year 5 - Reasoning \& problem solving

## General marking principles

- Answers should be single values in their simplest form unless the mark scheme says otherwise
- Accept reversed digits provided intention is clear e.g. a reversed 2 must clearly show the characteristics of a 2 rather than a 5
- Do not award the mark if more than one answer is given
- For numbers with four or more digits, accept answers with a comma positioned incorrectly or without a comma. Do not accept a decimal point or an apostrophe.

| Question | Answer |  |  | Marks | Notes and guidance |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 120 |  |  | 1 |  |
| 2 | 17 |  |  | 1 |  |
|  | 0.03 |  |  | 1 |  |
|  | 1.2 |  |  | 1 |  |
| 4 | 14 |  |  | 1 |  |
| 5 | 50 |  |  | 1 |  |
|  | 6 |  |  | 1 |  |
| 6 | 6 |  |  | 1 |  |
|  | 16.5 |  |  | 1 |  |
| 7 | Fraction | Decimal | Percentage | 2 | Award 1 mark for 2 correct answers. |
|  | $\frac{7}{10}$ | 0.7 | 70 |  |  |
|  | $\frac{9}{100}$ | 0.09 | 9 |  |  |

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| Question | Answer | Marks | Notes and guidance |
| :---: | :---: | :---: | :---: |
| 8 | 5 | 2 | Award 1 mark for fully correct method with no more than one arithmetic error. |
| 9 | 36 | 2 | Award 1 mark for fully correct method with no more than one arithmetic error. |
| 10 | 9.004, 9.04, 9.4, 9.44 | 1 |  |
| 11 | 4 | 1 |  |
| 12 | Indicate false with a valid reason, e.g. ' $0.4=\frac{4}{10}=\frac{40}{100}$ so they are the same.' | 1 | Accept any valid reason. |
| 13 | 44 | 2 | Award 1 mark for fully correct method with no more than one arithmetic error. |
| 14 | 16 | 1 |  |
|  | 3 | 1 |  |
| 15 | 21 | 2 | Award 1 mark for fully correct method with no more than one arithmetic error. |
| 16 | 9 | 2 | Award 1 mark for fully correct method with no more than one arithmetic error. |

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## Year 5 - Reasoning \& problem solving

| Question | Answer | Marks | Notes and guidance |
| :---: | :---: | :---: | :--- |
| 17 | 125 | 2 | Award 1 mark for fully <br> correct method with no <br> more than one arithmetic <br> error. |
| 18 | 63 | 2 | Award 1 mark for fully <br> correct method with no <br> more than one arithmetic <br> error. |

Total : 30 marks

