The Mystery of the Missing Horse **Answers**

Clue 1: Rounding Decimals

Round the following decimals to the nearest tenth.

0.47	0.54	0.62
0.5	**0.5**	**0.6**

0.55	0.44	0.45
0.6	**0.4**	**0.5**

0.41	0.52	0.43
0.4	**0.5**	**0.4**

0.4	**0.5**	0.6
white	**red**	blue

Clue: The guest who found the horse doesn't have a _____**red**_____ cloak.

Clue 2: Decimal Equivalents

Find a path through the maze by colouring in the correct fraction and decimal equivalents.

The path will reveal a clue about the guest who found the horse.

Start	$\frac{1}{4}$ = 0.4	$\frac{3}{10}$ = 0.3	$\frac{35}{100}$ = 0.35	$\frac{3}{4}$ = 0.75
$\frac{7}{10}$ = 0.7	$\frac{1}{2}$ = 0.5	$\frac{15}{100}$ = 0.15	$\frac{1}{10}$ = 0.01	$\frac{1}{4}$ = 0.25
$\frac{95}{100}$ = 9.5	$\frac{3}{10}$ = 0.03	$\frac{3}{4}$ = 0.34	$\frac{6}{10}$ = 6.0	$\frac{4}{10}$ = 0.4
$\frac{7}{10}$ = 0.7	$\frac{12}{100}$ = 0.12	$\frac{76}{100}$ = 0.7	$\frac{1}{2}$ = 0.2	$\frac{99}{100}$ = 0.99
$\frac{1}{2}$ = 1.2	$\frac{2}{10}$ = 0.2	$\frac{7}{10}$ = 0.07	$\frac{8}{100}$ = 0.08	$\frac{78}{100}$ = 0.78
$\frac{5}{10}$ = 0.5	$\frac{34}{100}$ = 0.34	$\frac{66}{100}$ = 0.6	$\frac{17}{100}$ = 0.17	$\frac{3}{4}$ = 3.4
purple or scarlet	gold or silver	purple or gold	**scarlet or silver**	gold or scarlet

Clue: The family emblem of the guest who found the horse isn't _____**scarlet**_____

or _____**silver**_____.

Clue 3: Dividing by 10 and 100

Find the answers to the calculations and cross them off on the shields below. The one remaining shield will give you a clue about the guest who found the horse.

$34 \div 10 = \mathbf{3.4}$ $7 \div 100 = \mathbf{0.07}$ $13 \div 100 = \mathbf{0.13}$

$23 \div 10 = \mathbf{2.3}$ $34 \div 100 = \mathbf{0.34}$ $9 \div 100 = \mathbf{0.09}$

$23 \div 100 = \mathbf{0.23}$ $7 \div 10 = \mathbf{0.7}$

0.07 The guest's horse is grey or black.	**0.13** The guest's horse is brown or black.	**0.7** The guest's horse is grey or brown.
3.4 The guest's horse is chestnut or brown.	**0.9** **The guest's horse is chestnut or grey.**	**0.34** The guest's horse is chestnut or black.
0.09 The guest's horse is grey or chestnut.	**2.3** The guest's horse is black or chestnut.	**0.23** The guest's horse is black or brown.

Clue: The guest who found Saint George's horse has a _____**chestnut**_____

or _____**grey**_____ horse.

Clue 4: Measures as Decimals

	Correct ✓	Incorrect ✗
1 kg and 670 grams = 1.67kg	✓	
Seven 20p coins = £1.20		✗
4 litres and 35ml = 4.35l		✗
Nine 50p coins = £4.50	✓	
208cm = 2.08m	✓	
235ml > 2.35l		✗
6km > 6000m		✗
700g < 7kg	✓	
£3.20 < 32p		✗
Total	**4**	**5**

(Circle the correct answer.)

Clue: The guest who found the horse is a female/**male**.

Clue 5: Comparing Decimals

In each row, colour the decimal that would correctly complete the statement.

The column with the most correct answers will tell you something about the age of the guest who found the horse.

[ ] > 0.17	0.07	0.12	**0.19**	0.1
[ ] < 0.2	0.27	**0.08**	0.3	0.20
[ ] > 0.32	0.23	0.04	0.3	**0.34**
[ ] < 4.72	**4.7**	4.77	4.8	5.07
[ ] < 10.04	10.4	10.14	**10.01**	10.1
	even	odd	even	odd

Clue: The guest's age is an _____even_____ number.

The guest who was responsible for finding the horse is: _____**Sir Nicholas**_____