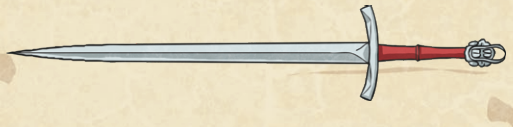
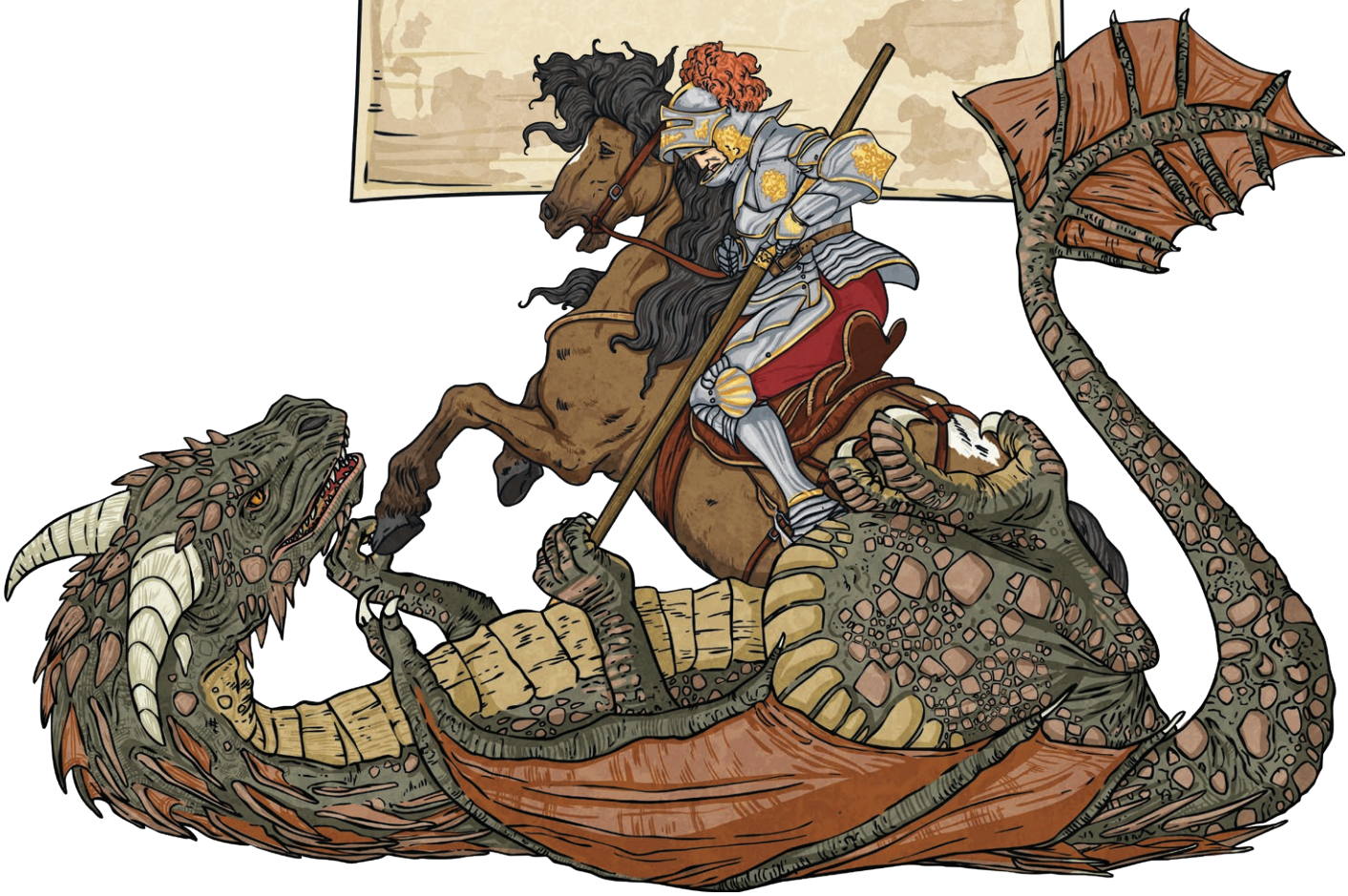
The Mystery of the Missing Horse

St. George's Day Maths Mystery Game

After his brave battle against the dragon, Saint George was invited by the king to a celebratory banquet. Saint George and the guests enjoyed a lavish feast and soon enough, it was time for everybody to go home. Unfortunately, Saint George's horse had gone missing! It had wandered off in search of some more tasty hay!

Can you solve the problems to find out which guest discovered the whereabouts of Saint George's hungry horse?





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Guest's Name	Male or Female?	Cloak Colour	Age	Horse Colour	Colour of Family Emblem
Sir Accolon	Male	Red	45	Black	Purple
Dame Brisen	Female	Blue	32	Chestnut	Gold
Lady Catherine	Female	Red	48	Chestnut	Silver
Sir Dagonet	Male	Blue	25	Grey	Scarlet
Sir Ector	Male	Yellow	47	Brown	Scarlet
Lady La Fay	Female	Yellow	43	Grey	Purple
Queen Guinevere	Female	Blue	24	Brown	Gold
Lady Heliabel	Female	Green	41	Black	Purple
Lady Igraine	Female	Blue	39	Chestnut	Silver
Sir John Haywood	Male	Green	44	Grey	Silver
Sir Kay	Male	Blue	27	Chestnut	Scarlet
Sir Lancelot	Male	Green	33	Brown	Gold
Lady Matilda	Female	Yellow	22	Brown	Purple
Sir Nicholas	Male	Green	40	Chestnut	Gold
Sir Owain	Male	Blue	23	Grey	Silver
Sir Percival	Male	Yellow	50	Black	Silver
Red Knight	Male	Red	26	Grey	Gold
Sir Safir	Male	Green	49	Black	Silver
Sir Tristram	Male	Yellow	29	Grey	Purple
Sir Uther Pendragon	Male	Blue	43	Brown	Scarlet
Lady Viviene	Female	Green	38	Black	Scarlet
Lady Winifred	Female	Red	28	Chestnut	Gold

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Clue 1: Rounding Decimals

Round the following decimals to the nearest tenth.

The solution that occurs most frequently will give you a clue about the guest who found the horse.

0.4	0.5	0.6
white	red	blue

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

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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 _____

or _____.

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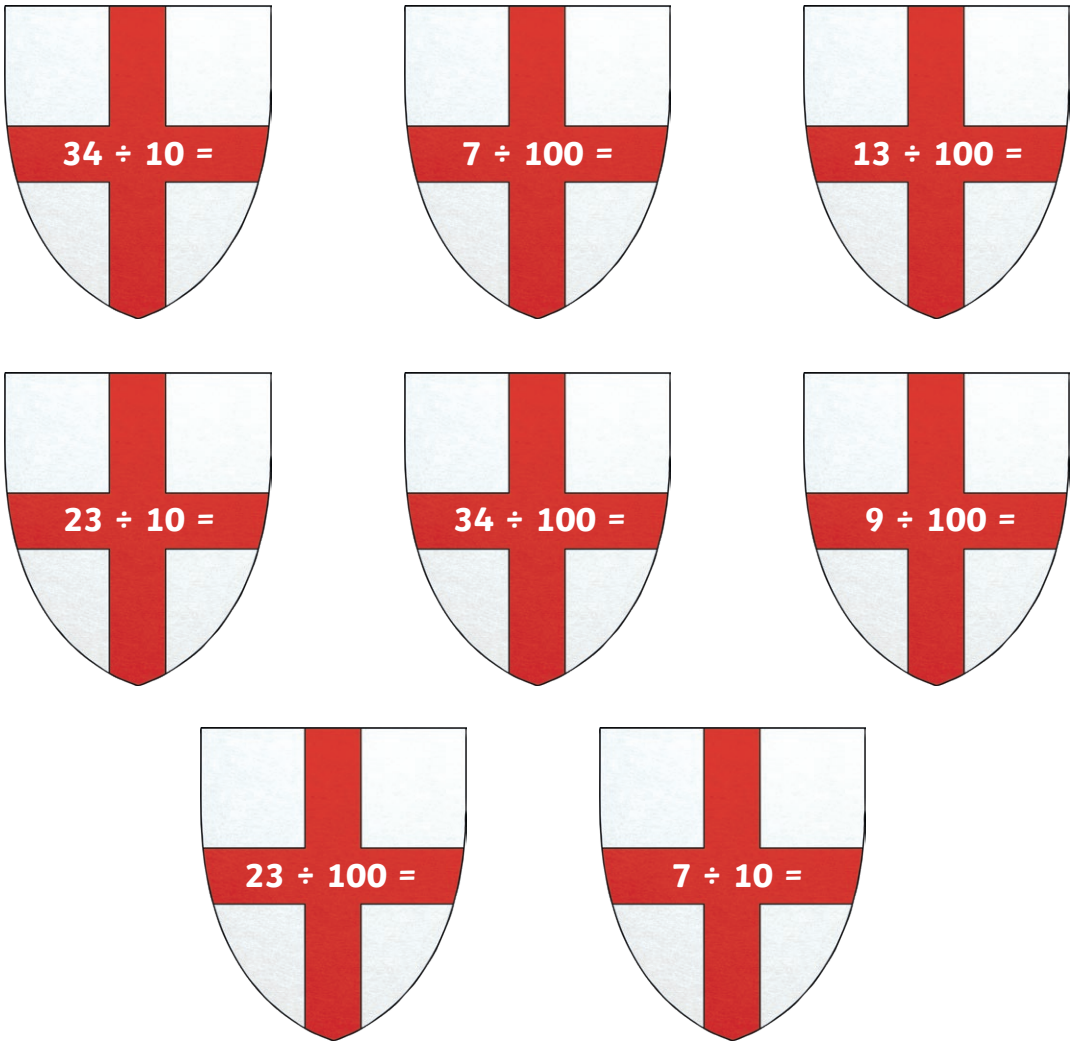
Clue 3: Dividing by 10 and 100

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.



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 _____

or _____ horse.

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Clue 4: Measures as Decimals

Check whether these maths statements are correct or incorrect. If the statement is correct, put a tick. If the statement is incorrect, put a cross.

Count the number of ticks and crosses.

If there are more ticks than crosses, the guest who found the horse is a female.

If there are more crosses than ticks, the guest who found the horse is a male.

	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		

(Circle the correct answer.)

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

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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 _____ number.

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

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