

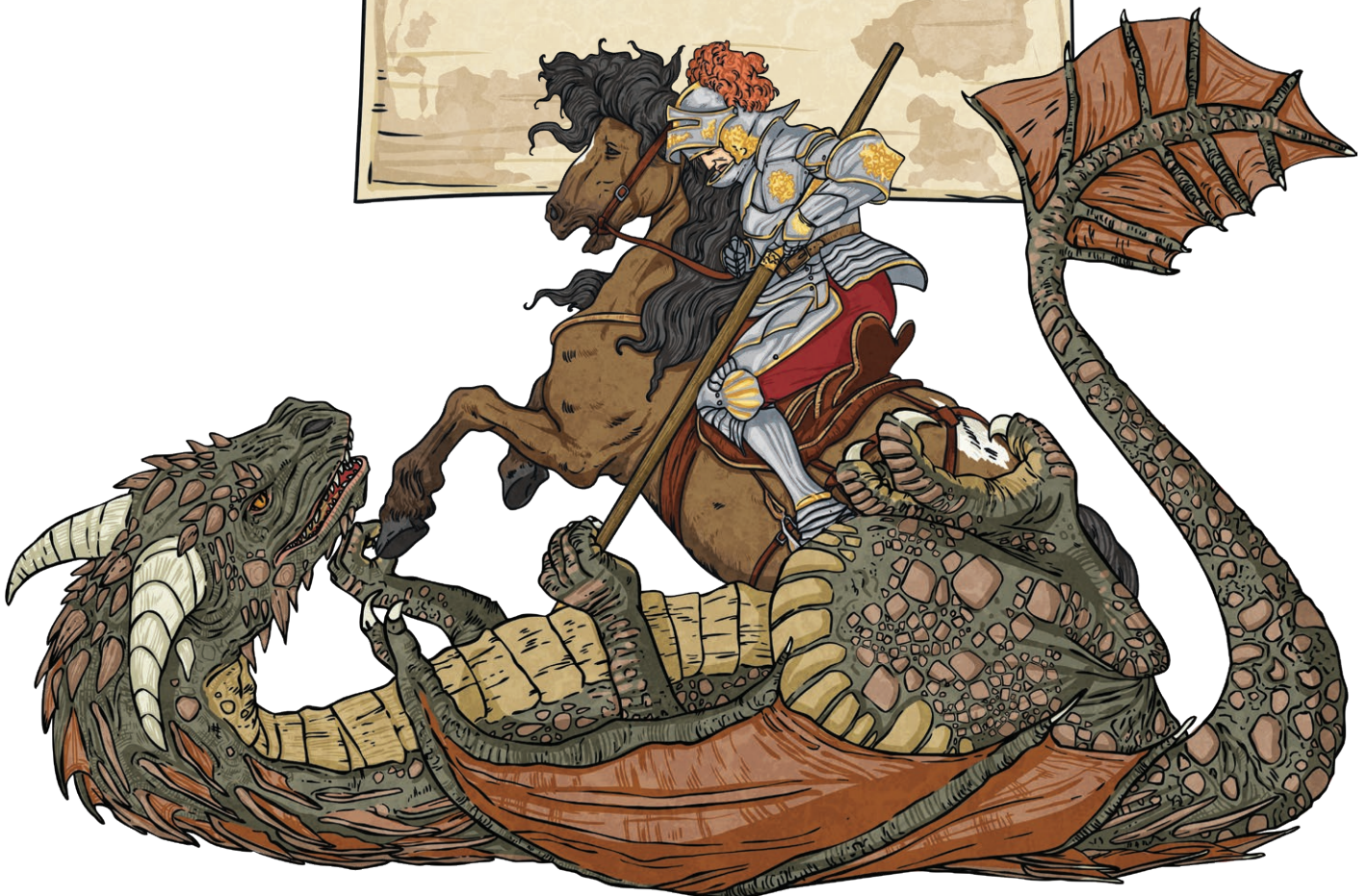
# The Mystery of the Missing Horse

## 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?





| 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 Vivienne       | Female          | Green        | 38  | Black        | Scarlet                 |
| Lady Winifred       | Female          | Red          | 28  | Chestnut     | Gold                    |



# 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.



## 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.

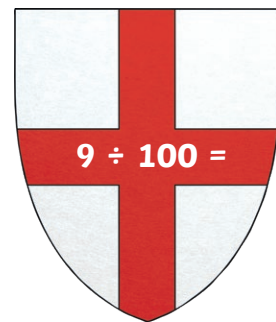
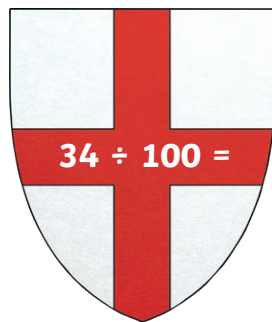
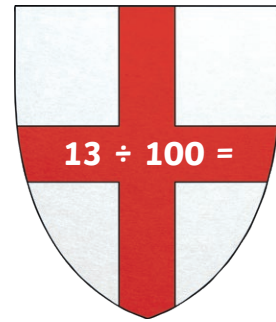
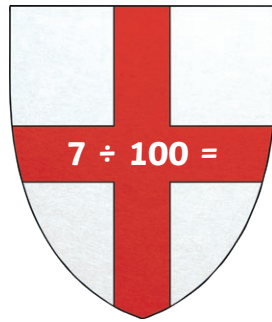
|                        |                         |                         |                         |                         |
|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Start</b>           | $\frac{1}{4}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

**Clue:** The family emblem of the guest who found the horse isn't \_\_\_\_\_

or \_\_\_\_\_.

### 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.



|                                                                  |                                                                  |                                                                   |
|------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|
| <p><b>0.07</b></p> <p>The guest's horse is grey or black.</p>    | <p><b>0.13</b></p> <p>The guest's horse is brown or black.</p>   | <p><b>0.7</b></p> <p>The guest's horse is grey or brown.</p>      |
| <p><b>3.4</b></p> <p>The guest's horse is chestnut or brown.</p> | <p><b>0.9</b></p> <p>The guest's horse is chestnut or grey.</p>  | <p><b>0.34</b></p> <p>The guest's horse is chestnut or black.</p> |
| <p><b>0.09</b></p> <p>The guest's horse is grey or chestnut.</p> | <p><b>2.3</b></p> <p>The guest's horse is black or chestnut.</p> | <p><b>0.23</b></p> <p>The guest's horse is black or brown.</p>    |

**Clue:** The guest who found Saint George's horse has a \_\_\_\_\_ or \_\_\_\_\_ horse.

### 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                 |           |             |
| <b>Total</b>                |           |             |

(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.

|                              |      |       |       |      |
|------------------------------|------|-------|-------|------|
| <input type="text"/> > 0.17  | 0.07 | 0.12  | 0.19  | 0.1  |
| <input type="text"/> < 0.2   | 0.27 | 0.08  | 0.3   | 0.20 |
| <input type="text"/> > 0.32  | 0.23 | 0.04  | 0.3   | 0.34 |
| <input type="text"/> < 4.72  | 4.7  | 4.77  | 4.8   | 5.07 |
| <input type="text"/> < 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: \_\_\_\_\_

