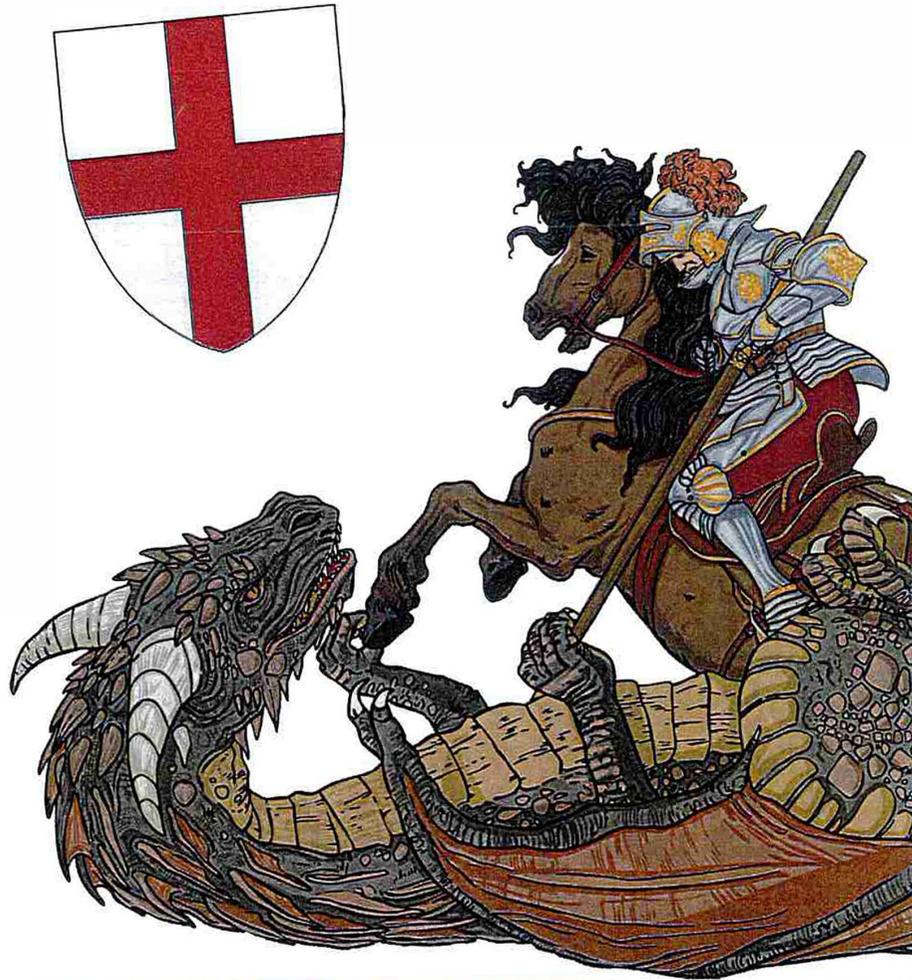# The Mystery of the Missing Shield

After his brave battle against the dragon, Saint George has been invited by the king to join the knights and ladies at a celebratory banquet.

Unfortunately, Saint George's shield has gone missing.

Can you solve the problems to see which banquet guest discovers the whereabouts of Saint George's shield?

Guests	Gender	Cloak Colour	Age	Horse Colour	Emblem
Sir Accolon	M	Red	45	Black	Lion
Dame Brisen	F	Blue	32	Black	Star
Lady Catherine	F	Red	48	Chestnut	Bull
Sir Dagonet	M	Blue	25	Grey	Cross
Sir Ector	M	Yellow	47	Brown	Cross
Lady la Fay	F	Yellow	42	Grey	Lion
Queen Guinevere	F	Blue	24	Brown	Star
Lady Heliabel	F	Green	41	Black	Lion
Lady Igraine	F	Blue	39	Chestnut	Bull
Sir John Haywood	M	Green	44	Grey	Bull
Sir Kay	M	Blue	27	Chestnut	Cross
Sir Lancelot	M	Green	33	Brown	Star
Lady Matilda	F	Yellow	22	Brown	Lion
Sir Nicholas	M	Red	40	Chestnut	Axe
Sir Owain	M	Blue	23	Grey	Bull
Sir Percival	M	Yellow	50	Black	Bull
Red Knight	M	Red	26	Grey	Star
Sir Safir	M	Green	49	Black	Bull
Sir Tristram	M	Yellow	29	Brown	Lion
Sir Uther Pendragon	M	Blue	43	Brown	Cross
Lady Viviene	F	Green	38	Black	Cross
Lady Bianca	F	Red	28	Chestnut	Star

Clue 1: Adding and Subtracting Fractions

Solve the following fraction calculations.

The answer that occurs the most gives a clue to the guest who finds the shield.

$\frac{3}{10} + \frac{4}{10} =$ ☐

$\frac{9}{10} - \frac{6}{10} =$ ☐

$\frac{1}{10} + \frac{6}{10} =$ ☐

$\frac{7}{10} - \frac{4}{10} =$ ☐

$\frac{9}{10} - \frac{2}{10} =$ ☐

$\frac{2}{10} + \frac{7}{10} =$ ☐

$\frac{8}{10} - \frac{1}{10} =$ ☐

$\frac{6}{10} + \frac{3}{10} =$ ☐

$\frac{2}{10} + \frac{1}{10} =$ ☐

$\frac{3}{10}$	$\frac{7}{10}$	$\frac{9}{10}$
The guest doesn't have a red cloak.	The guest doesn't have a yellow cloak.	The guest doesn't have a blue cloak.

Clue
The guest who finds the shield doesn't have a _____ cloak.

Clue 2: Comparing Fractions

Find a path through the maze by colouring in the correct fraction comparisons.

The path will reveal a clue about the emblem of the guest who finds the shield.

| START	$\frac{1}{2} > \frac{1}{3}$	$\frac{5}{8} < \frac{7}{8}$	$\frac{1}{5} > \frac{1}{8}$	$\frac{4}{5} > \frac{2}{5}$
$\frac{\_}{9} < \frac{1}{6}$	$\frac{3}{4} < \frac{1}{4}$	$\frac{5}{6} < \frac{1}{6}$	$\frac{7}{10} > \frac{9}{10}$	$\frac{1}{3} > \frac{1}{4}$
$\frac{6}{7} > \frac{5}{7}$	$\frac{3}{10} < \frac{1}{10}$	$\frac{1}{4} > \frac{1}{3}$	$\frac{2}{9} < \frac{4}{9}$	$\frac{1}{7} > \frac{1}{8}$
$\frac{1}{\_} < \frac{1}{5}$	$\frac{5}{8} > \frac{1}{8}$	$\frac{1}{8} < \frac{3}{8}$	$\frac{5}{12} < \frac{7}{12}$	$\frac{2}{3} < \frac{1}{3}$
$\frac{1}{5} < \frac{1}{3}$	$\frac{2}{5} > \frac{1}{5}$	$\frac{7}{10} < \frac{3}{10}$	$\frac{9}{11} < \frac{7}{11}$	$\frac{1}{7} > \frac{1}{8}$
$\frac{4}{6} > \frac{2}{6}$	$\frac{1}{4} < \frac{1}{5}$	$\frac{8}{9} < \frac{2}{9}$	$\frac{1}{6} > \frac{1}{8}$	$\frac{4}{7} > \frac{3}{7}$
The emblem of the guest who finds the shield is not a lion or cross.	The emblem of the guest who finds the shield is not a bull or star.	The emblem of the guest who finds the shield is not a bull or lion.	The emblem of the guest who finds the shield is not a bull or cross.	The emblem of the guest who finds the shield is not a lion or star.

Clue
The emblem of the guest who finds the shield isn't a _____

Clue 3: Tenths

Match the shaded shields with the correct fraction.

The one remaining answer will give you a clue about the person who finds the shield.
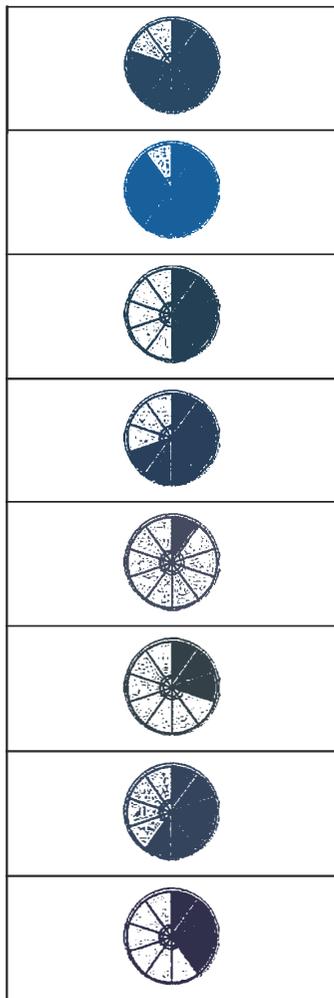
$\frac{4}{10}$	The guest's horse is grey or black.
$\frac{9}{10}$	The guest's horse is brown or black.
$\frac{3}{10}$	The guest's horse is grey or brown.
$\frac{6}{10}$	The guest's horse is chestnut or brown.
$\frac{7}{10}$	The guest's horse is brown or grey.
$\frac{8}{10}$	The guest's horse is chestnut or black.
$\frac{1}{10}$	The guest's horse is grey or chestnut.
$\frac{2}{10}$	The guest's horse is black or chestnut.
$\frac{5}{10}$	The guest's horse is black or brown.

Clue

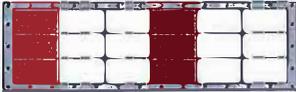The guest who finds the shield has a _____ or _____ horse.

Clue 4: Fractions of Discrete Objects

Check if the fraction of each shield that is shaded is correctly written. If it is right, put a tick. If it is wrong, put a cross.

Count the number of ticks and crosses.

If there are more ticks than crosses, the person who finds the shield is **female**.

If there are more crosses than ticks, the person who finds the shield is **male**.

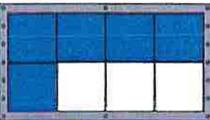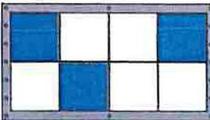|	Right ✓	Wrong ✗
represents $\frac{3}{4}$		
represents $\frac{1}{2}$		
represents $\frac{2}{3}$		
represents $\frac{4}{5}$		
represents $\frac{1}{3}$		
Total		

Clue

The guest who finds the shield is male / female .

(Circle the correct answer)

Clue 5: Equivalent Fractions

In each row, look at the fraction in the first column. Look for the shield which has the equivalent fraction shaded.

The column with the most correct answers will tell you the age of the guest who finds the shield.
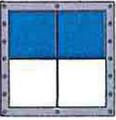
$\frac{3}{4}$			
$\frac{2}{3}$			
$\frac{3}{8}$			
$\frac{1}{5}$			
Age	21–30	31–40	41–50

Clue

The guest who finds the shield is aged between _____.

The guest who is responsible for finding the shield is _____.