

Clue 1: Rounding Decimals

$0.777 \rightarrow 0.8$ $0.65 \rightarrow 0.7$ **$0.903 \rightarrow 0.9$**
 $0.872 \rightarrow 0.9$ $0.791 \rightarrow 0.8$ $0.65 \rightarrow 0.7$
 $0.847 \rightarrow 0.8$ **$0.85 \rightarrow 0.9$** **$0.945 \rightarrow 0.9$**

The guest who finds the lance doesn't have a **green** cloak.

Clue 2: Multiply and Divide by 10, 100 and 1000

START	0.67×10 = 6.7	$13.4 \div 10$ = 1.34	2.09×100 = 209	$46.7 \div 100$ = 4.67
0.08×1000 = 80	$7240 \div 1000$ = 7.24	0.73×10 = 7.03	$5 \div 10$ = 0.5	9.07×100 = 907
$50.5 \div 100$ = 0.505	0.05×1000 = 5	$607 \div 1000$ = 0.607	0.46×10 = 46	$4.03 \div 10$ = 0.403
0.087×100 = 8.07	$968 \div 100$ = 9.68	0.039×1000 = 39	$3009 \div 1000$ = 3.009	7.08×10 = 70.8
$56.7 \div 10$ = 5.67	0.008×100 = 0.8	$9 \div 100$ = 0.009	6.08×1000 = 6080	$406 \div 1000$ = 4.06
8.009×10 = 80.09	$0.67 \div 10$ = 6.7	0.06×100 = 6	$406 \div 1000$ = 0.46	0.036×10 = 0.36
The emblem of the guest who finds the lance is not a cross or star.	The emblem of the guest who finds the lance is not a bull or star.	The emblem of the guest who finds the lance is not a bull or lion.	The emblem of the guest who finds the lance is not a cross or bull.	The emblem of the guest who finds the lance is not a lion or star.

The emblem of the guest who finds the lance isn't a **cross** or **star**.

Clue 3: Adding and Subtracting Decimals

$0.69 - 0.368 =$	0.322 The guest's horse is grey or black.
$0.077 + 0.99 =$	1.067 The guest's horse is brown or black.
	1.03 The guest's horse is grey or brown.
$0.34 + 0.765 =$	1.105 The guest's horse is chestnut or brown.
$0.82 - 0.36 =$	0.46 The guest's horse is chestnut or grey.
$0.87 + 0.227 =$	1.097 The guest's horse is chestnut or black.
$0.47 - 0.367 =$	0.103 The guest's horse is grey or chestnut.
$0.166 - 0.01 =$	0.156 The guest's horse is black or chestnut.
$0.5 + 0.654 =$	1.154 The guest's horse is black or brown.

The guest who finds the lance has a **grey** or **brown** horse.

Clue 4: Measures as Decimals

	Right ✓	Wrong ✗
$8.2\text{kg} + 670\text{g} = 14.9\text{kg}$		✗
$£10.45 - 87\text{p} = £9.58$	✓	
935ml more than 3.2l = 4.035l		✗
Subtract £1, 50p and 20p from £9.86 = £8.16	✓	
$2\text{km} + 465\text{m} = 6.65\text{km}$		✗
$578\text{ml} + 890\text{ml} = 1.468\text{l}$	✓	
$35\text{m} + 298\text{cm} = 37.98\text{m}$	✓	
$1700\text{g} + 3.4\text{kg} = 3.57\text{kg}$		✗
$£4.67 + 109\text{p} = £5.76$	✓	
Total	5	4

The guest who finds the lance is a **female**.

Clue 5: Equivalent Percentages

$\frac{1}{2}$	50%	10%	20%	12%
$\frac{2}{5}$	20%	50%	25%	40%
$\frac{7}{20}$	7%	35%	28%	70%
$\frac{4}{25}$	25%	40%	16%	4%
$\frac{4}{5}$	4%	40%	80%	75%
$\frac{7}{50}$	7%	5%	10%	14%
$\frac{34}{40}$	68%	85%	70%	34%
$\frac{3}{5}$	60%	30%	50%	55%
$\frac{36}{75}$	48%	36%	40%	50%
	22-28	29-35	36-42	43-50

The guest who finds the lance is aged **22-28**.

The guest who is responsible for finding the lance is Lady Matilda.