

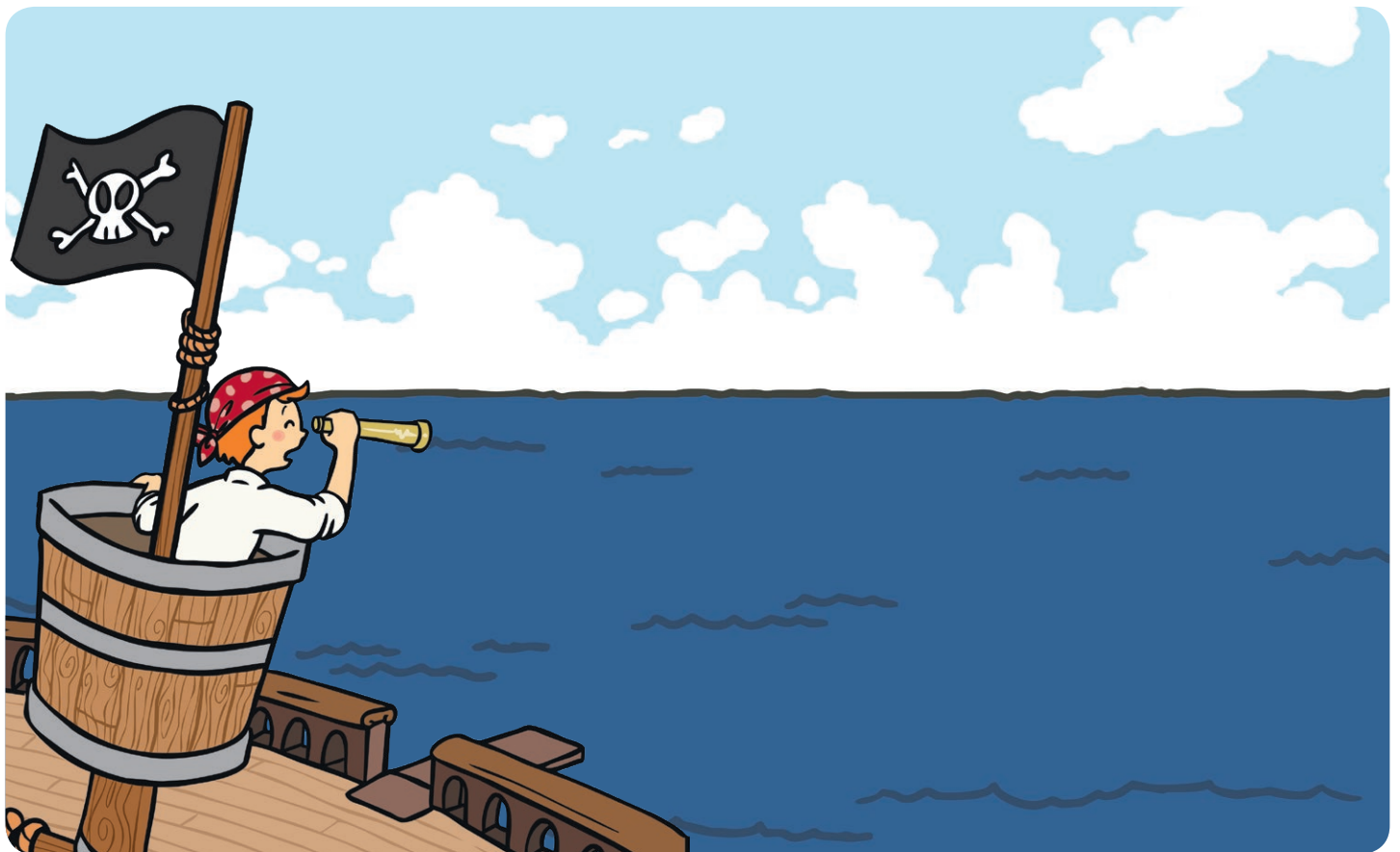
# The Mystery of the Missing Golden Goblet

It is a glorious, sunny morning and the flags of the pirate ship 'The Mermaid' are gently waving in the calm sea breeze.

However, on board the Pirate Captain is shaking her hook in anger and shouting madly... She can't find her special golden goblet anywhere and she always has her mid-morning drink in. It is her lucky charm and she is refusing to drink from any other cup!

All the other pirates are scurrying around, looking everywhere to locate the missing goblet. They all know there will be a special reward for the person that finds it.

Solve the maths clues to discover which lucky pirate finds the missing golden goblet and receives a ruby and sapphire medallion as their reward.



## The Mystery of the Missing Golden Goblet

Name	Man or Woman	Age	Hair Colour	Job	Location
Adam	Man	25	Brown	Boatswains	Bow
Bo	Woman	31	Blonde	First Mate	Helm
Casper	Man	40	Black	Captain	Cabin
Daniel	Man	50	Ginger	Quarter Master	Deck
Emily	Woman	67	Brown	Sailing Master	Gunnel
Fran	Woman	71	Blonde	Gunner	Hatch
George	Man	43	Black	Powder Monkey	Hull
Grace	Woman	35	Ginger	Cook	Keel
Halim	Man	23	Brown	Boatswains	Bow
Henry	Man	58	Blonde	First Mate	Helm
Isaac	Man	68	Black	Captain	Cabin
Jacob	Man	78	Ginger	Quarter Master	Deck
Isobel	Woman	52	Brown	Sailing Master	Cabin
Julio	Man	46	Blonde	Gunner	Hatch
Magdalena	Woman	39	Black	Powder Monkey	Hull
Marcel	Man	24	Ginger	Cook	Keel
Ola	Woman	67	Brown	Boatswains	Bow
Olivia	Woman	75	Blonde	First Mate	Helm
Samir	Man	26	Black	Captain	Cabin
Selma	Woman	37	Ginger	Quarter Master	Bow
Terri	Woman	49	Brown	Sailing Master	Helm
Thomas	Man	58	Blonde	Gunner	Cabin

# The Mystery of the Missing Golden Goblet

## Clue 1: Crack the code

Answer the maths calculations, then use the code breaker to find the first clue.

a	b	c	d	e	f	g	h	i	j	k	l	m
26	25	24	23	22	21	20	19	18	17	16	15	14

n	o	p	q	r	s	t	u	v	w	x	y	z
13	12	11	10	9	8	7	6	5	4	3	2	1

$7 + 0$ =	$15 + 4$ =	$20 + 2$ =	$3 - 1$ =
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<b>Answer</b>				
<b>Letter</b>				



$15 + 11$ =	$8 + 1$ =	$19 + 3$ =		$9 + 4$ =	$14 - 2$ =	$9 - 2$ =
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<b>Answer</b>						
<b>Letter</b>						

$16 + 10$ =		$20 + 4$ =	$10 + 2$ =	$14 - 2$ =	$11 + 5$ =	
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<b>Answer</b>						
<b>Letter</b>						

**Clue 1:** \_\_\_\_\_.

## The Mystery of the Missing Golden Goblet

### Clue 2: Crack the code

Choose the correct answer for each missing number calculation.

The column with the most correct answers in will reveal a clue about the hair colour of the person who found the golden goblet.



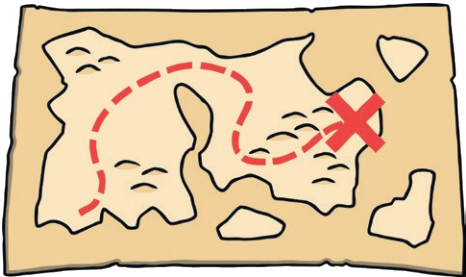
$27 + \underline{\quad} = 50$	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>
$37 + \underline{\quad} = 50$	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
$29 + \underline{\quad} = 50$	<b>29</b>	<b>30</b>	<b>21</b>	<b>32</b>
$26 + \underline{\quad} = 50$	<b>14</b>	<b>24</b>	<b>34</b>	<b>44</b>
$50 - \underline{\quad} = 20$	<b>30</b>	<b>40</b>	<b>50</b>	<b>60</b>
$50 - \underline{\quad} = 25$	<b>4</b>	<b>14</b>	<b>24</b>	<b>25</b>
$50 - \underline{\quad} = 10$	<b>0</b>	<b>10</b>	<b>20</b>	<b>40</b>
<b>Total</b>				
	<b>Their hair colour isn't brown.</b>	<b>Their hair colour isn't blonde.</b>	<b>Their hair colour isn't black.</b>	<b>Their hair colour isn't ginger.</b>

**Clue 2:** Their hair colour isn't \_\_\_\_\_.

## The Mystery of the Missing Golden Goblet

### Clue 3: Cross it off

Solve the answers to the problems. Cross off the answers in the grid. The clue that is not crossed off will reveal the age of the person who found the missing goblet.

<p>I'm thinking of a number. I add 6. The answer is 24. What is my number?</p>	<p>I'm thinking of a number. I subtract 10. The answer is 21. What is my number?</p>
<p>I'm thinking of a number. I add 7. The answer is 28. What is my number?</p>	<p>I'm thinking of a number. I subtract 5. The answer is 20. What is my number?</p>
<p>I'm thinking of a number. I add 9. The answer is 25. What is my number?</p>	

<p><b>31</b> The tens digit of their age is 3.</p>	<p><b>25</b> The tens digit of their age is 4.</p>	<p><b>20</b> The tens digit of their age is 5.</p>
<p><b>18</b> The tens digit of their age is 6.</p>	<p><b>16</b> The tens digit of their age is 7.</p>	<p><b>21</b> The tens digit of their age is 8.</p>

Clue 3: \_\_\_\_\_.

## The Mystery of the Missing Golden Goblet

### Clue 4: Maze

Find a path through the maze colouring in number bonds to 100 to reveal the location on board the pirate ship of the person who found the golden goblet.

<b>START</b>	$40 + 60$	$30 + 70$	$10 + 10$	$20 + 30$	$70 + 20$
$30 + 40$	$40 + 20$	$100 + 0$	$80 + 20$	$60 + 40$	$70 + 30$
$60 + 40$	$50 + 10$	$60 + 70$	$70 + 20$	$80 + 40$	$20 + 80$
$70 + 20$	$80 + 40$	$70 + 30$	$35 + 65$	$25 + 75$	$10 + 90$
$50 + 50$	$40 + 20$	$75 + 25$	$50 + 10$	$60 + 70$	$70 + 20$
$100 + 10$	$40 + 70$	$45 + 55$	$30 + 40$	$40 + 60$	$100 + 0$
$90 + 10$	$70 - 0$	$65 + 35$	$55 + 10$	$30 + 70$	$20 + 80$
<b>Bow</b>	<b>Helm</b>	<b>Cabin</b>	<b>Deck</b>	<b>Gunnel</b>	<b>Hatch</b>

Clue 4: \_\_\_\_\_.

## The Mystery of the Missing Golden Goblet

### Clue 5: True or False

Check these maths calculations. If a calculation 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 found the goblet is a woman.

If there are more crosses than ticks, the person who found the goblet is a man.

	Right ✓	Wrong X
$40 + 20 = 0$		
$60 + 20 = 80$		
$0 + 0 = 3$		
$21 + 5 = 26$		
$20 + 20 = 41$		
$53 + 23 = 75$		
$40 + 50 = 90$		
$25 + 75 = 100$		
$23 + 11 = 34$		
<b>Total</b>		

Clue 5: The person who found the goblet is a \_\_\_\_\_.

The person who found the golden goblet is \_\_\_\_\_.

## The Mystery of the Missing Golden Goblet **Answers**

<b>Name</b>	<b>Man or Woman</b>	<b>Age</b>	<b>Hair Colour</b>	<b>Job</b>	<b>Location</b>
Adam	Man	25	Brown	Boatswains	Bow
Bo	Woman	31	Blonde	First Mate	Helm
Casper	Man	40	Black	Captain	Cabin
Daniel	Man	50	Ginger	Quarter Master	Deck
Emily	Woman	67	Brown	Sailing Master	Gunnel
Fran	Woman	71	Blonde	Gunner	Hatch
George	Man	43	Black	Powder Monkey	Hull
Grace	Woman	35	Ginger	Cook	Keel
Halim	Man	23	Brown	Boatswains	Bow
Henry	Man	58	Blonde	First Mate	Helm
Isaac	Man	68	Black	Captain	Cabin
Jacob	Man	78	Ginger	Quarter Master	Deck
Isobel	Woman	52	Brown	Sailing Master	Cabin
Julio	Man	46	Blonde	Gunner	Hatch
Magdalena	Woman	39	Black	Powder Monkey	Hull
Marcel	Man	24	Ginger	Cook	Keel
Ola	Woman	67	Brown	Boatswains	Bow
Olivia	Woman	75	Blonde	First Mate	Helm
Samir	Man	26	Black	Captain	Cabin
Selma	Woman	37	Ginger	Quarter Master	Bow
Terri	Woman	49	Brown	Sailing Master	Helm
Thomas	Man	58	Blonde	Gunner	Cabin



# The Mystery of the Missing Golden Goblet **Answers**

## Clue 1: Crack the code

Answer the maths calculations, then use the code breaker to find the first clue.

a	b	c	d	e	f	g	h	i	j	k	l	m
26	25	24	23	22	21	20	19	18	17	16	15	14

n	o	p	q	r	s	t	u	v	w	x	y	z
13	12	11	10	9	8	7	6	5	4	3	2	1

	$7 + 0$ =	$15 + 4$ =	$20 + 2$ =	$3 - 1$ =
<b>Answer</b>	7	19	22	2
<b>Letter</b>	t	h	e	y

	$15 + 11$ =	$8 + 1$ =	$19 + 3$ =		$9 + 4$ =	$14 - 2$ =	$9 - 2$ =
<b>Answer</b>	26	9	22		13	12	7
<b>Letter</b>	a	r	e		n	o	t

	$16 + 10$ =		$20 + 4$ =	$10 + 2$ =	$14 - 2$ =	$11 + 5$ =	
<b>Answer</b>	26		24	12	12	16	
<b>Letter</b>	a		c	o	o	k	

**Clue 1:** They are not a cook.

## The Mystery of the Missing Golden Goblet **Answers**

### Clue 2: Crack the code

Choose the correct answer for each missing number calculation.

The column with the most correct answers in will reveal a clue about the hair colour of the person who found the golden goblet.

$27 + \underline{\quad} = 50$	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>
$37 + \underline{\quad} = 50$	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
$29 + \underline{\quad} = 50$	<b>29</b>	<b>30</b>	<b>21</b>	<b>32</b>
$26 + \underline{\quad} = 50$	<b>14</b>	<b>24</b>	<b>34</b>	<b>44</b>
$50 - \underline{\quad} = 20$	<b>30</b>	<b>40</b>	<b>50</b>	<b>60</b>
$50 - \underline{\quad} = 25$	<b>4</b>	<b>14</b>	<b>24</b>	<b>25</b>
$50 - \underline{\quad} = 10$	<b>0</b>	<b>10</b>	<b>20</b>	<b>40</b>
<b>Total</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>3</b>
	<b>Their hair colour isn't brown.</b>	<b>Their hair colour isn't blonde.</b>	<b>Their hair colour isn't black.</b>	<b>Their hair colour isn't ginger.</b>

**Clue 2:** Their hair colour isn't ginger.

## The Mystery of the Missing Golden Goblet **Answers**

### Clue 3: Cross it off

Solve the answers to the problems. Cross off the answers in the grid. The clue that is not crossed off will reveal the age of the person who found the missing goblet.

<p>I'm thinking of a number. I add 6. The answer is 24. What is my number? (18)</p>	<p>I'm thinking of a number. I subtract 10. The answer is 21. What is my number? (31)</p>
<p>I'm thinking of a number. I add 7. The answer is 28. What is my number? (21)</p>	<p>I'm thinking of a number. I subtract 5. The answer is 20. What is my number? (25)</p>
<p>I'm thinking of a number. I add 9. The answer is 25. What is my number? (16)</p>	

<p><b>31</b> The tens digit of their age is 3.</p>	<p><b>25</b> The tens digit of their age is 4.</p>	<p><b>20</b> The tens digit of their age is 5.</p>
<p><b>18</b> The tens digit of their age is 6.</p>	<p><b>16</b> The tens digit of their age is 7.</p>	<p><b>21</b> The tens digit of their age is 8.</p>

**Clue 3:** The tens digit of their age is 5.

## The Mystery of the Missing Golden Goblet **Answers**

### Clue 4: Maze

Find a path through the maze colouring in number bonds to 100 to reveal the location on board the pirate ship of the person who found the golden goblet.

<b>START</b>	$40 + 60$	$30 + 70$	$10 + 10$	$20 + 30$	$70 + 20$
$30 + 40$	$40 + 20$	$100 + 0$	$80 + 20$	$60 + 40$	$70 + 30$
$60 + 40$	$50 + 10$	$60 + 70$	$70 + 20$	$80 + 40$	$20 + 80$
$70 + 20$	$80 + 40$	$70 + 30$	$35 + 65$	$25 + 75$	$10 + 90$
$50 + 50$	$40 + 20$	$75 + 25$	$50 + 10$	$60 + 70$	$70 + 20$
$100 + 10$	$40 + 70$	$45 + 55$	$30 + 40$	$40 + 60$	$100 + 0$
$90 + 10$	$70 - 0$	$65 + 35$	$55 + 10$	$30 + 70$	$20 + 80$
<b>Bow</b>	<b>Helm</b>	<b>Cabin</b>	<b>Deck</b>	<b>Gunnel</b>	<b>Hatch</b>

**Clue 4:** The location of person who found the golden goblet is in the cabin.

## The Mystery of the Missing Golden Goblet **Answers**

### Clue 5: True or False

Check these maths calculations. If a calculation 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 found the goblet is a woman.

If there are more crosses than ticks, the person who found the goblet is a man.

	Right ✓	Wrong ✗
$40 + 20 = 0$		✗
$60 + 20 = 80$	✓	
$0 + 0 = 3$		✗
$21 + 5 = 26$	✓	
$20 + 20 = 41$		✗
$53 + 23 = 75$		✗
$40 + 50 = 90$	✓	
$25 + 75 = 100$	✓	
$23 + 11 = 34$	✓	
<b>Total</b>	<b>5</b>	<b>4</b>

**Clue 5:** The person who found the goblet is a woman.

The person who found the golden goblet is **Isobel**.