

The Mystery of the Pirate Captain

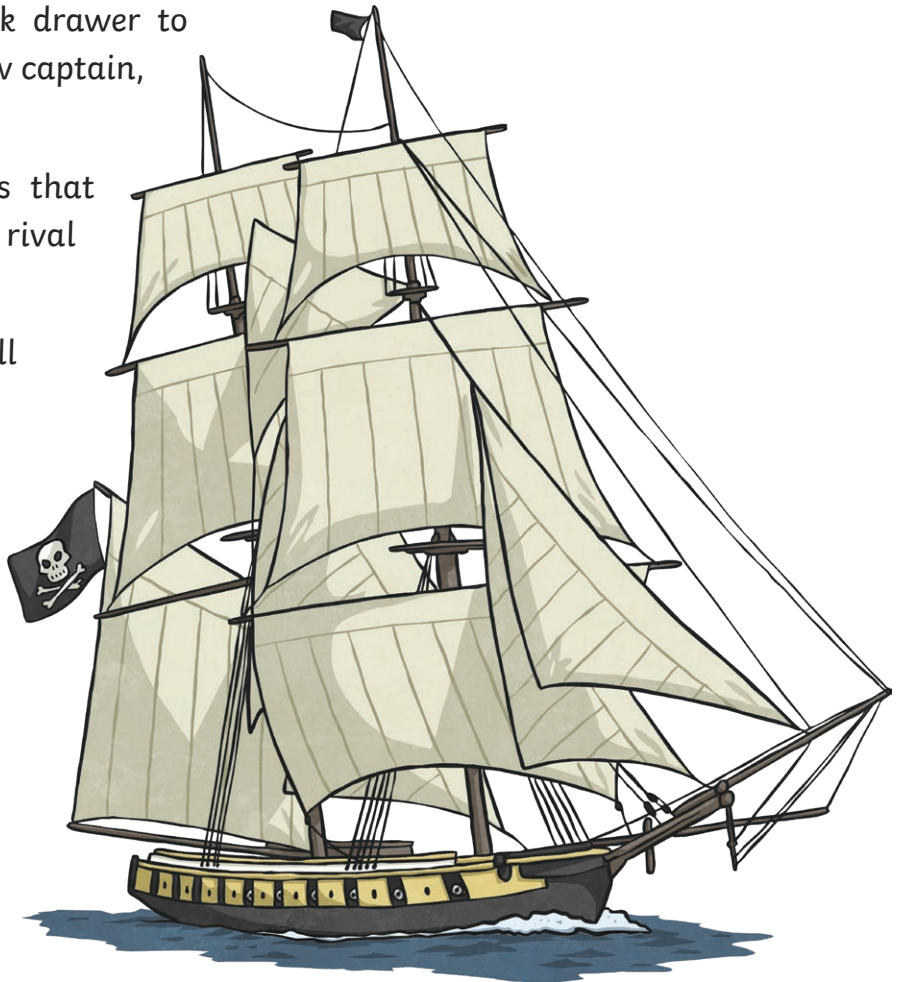
Maths Mystery Game

After many years captaining the Jolly Jack pirate ship, Captain Olly Eyepatch has decided to retire to a sunny island with all of his treasure. Captain Olly has gathered his fellow pirates together to announce who will be replacing him as the new captain of the Jolly Jack.

However, when he unlocks his desk drawer to collect the scroll announcing the new captain, it has gone!

Immediately, Captain Olly realises that one of his sworn enemies from a rival pirate ship has stolen it!

Help Captain Olly reclaim the scroll so that he can officially announce the new captain of the Jolly Jack.



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| Name | Male or Female? | Hair Length | Wears an Eyepatch? | Pet |
|----------------------|-----------------|-------------|--------------------|--------|
| Albatross Tack | Male | Short | No | Monkey |
| Barnacle Burr | Male | Short | Yes | Rat |
| Crusty Newbury | Male | Long | Yes | Monkey |
| Doubloon Dora | Female | Short | Yes | Parrot |
| Evil Grin Archer | Male | Long | No | Rat |
| Frightful Fredrick | Male | Long | Yes | Monkey |
| Golden Hair Sutton | Female | Short | No | Monkey |
| Harpy Sheldon | Female | Long | No | Rat |
| Lost Treasure Bradly | Female | Long | Yes | Parrot |
| Mermaid Layre | Female | Long | No | Monkey |
| Overboard Oliver | Male | Short | Yes | Parrot |
| Privateer Fletcher | Female | Short | Yes | Rat |
| Quartermaster Viktor | Male | Long | No | Monkey |
| Silver Penny | Female | Short | No | Rat |
| Toothless Tom | Male | Short | Yes | Parrot |
| Vulture Arney | Female | Short | No | Parrot |

The new captain will be: _____



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Clue 1

Order each set of numbers from smallest to largest. Take the largest number in each set and colour it in on the table below. Rearrange these words to find the first clue.

| | | | | | |
|----|-------|-------|-------|-------|-------|
| 1. | 502 | 250 | 255 | 550 | 205 |
| | | | | | |
| 2. | 2161 | 2612 | 1261 | 6210 | 1623 |
| | | | | | |
| 3. | 8 | 8.3 | 8.4 | 8.6 | 8.2 |
| | | | | | |
| 4. | 12.53 | 12.23 | 12.05 | 12.35 | 12.03 |
| | | | | | |
| 5. | 67.84 | 68.74 | 67.48 | 68.47 | 64.87 |
| | | | | | |

| | | | |
|-----------------------|----------------------|-----------------------|----------------------|
| 8.46 monkey | 6210 the | 68.47 short | 12.35 hair |
| 550 captain | 12.53 male | 8.46 rat | 12.23 male |
| 502 female | 8.6 isn't | 68.74 new | 67.84 long |

Clue 1: _____



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Clue 2

Check these calculations. If a calculation is right, put a tick. If it is wrong, put a cross.

Count up the number of ticks and crosses.

If there are more ticks than crosses, the new captain has long hair.

If there are more crosses than ticks, the new captain has short hair.

| | Right ✓ | Wrong ✗ |
|---|---------|---------|
| $6 \times 9 > 7 \times 8$ | | |
| $125 + 42 = 200 - 33$ | | |
| $25 \div 10 = 2.05$ | | |
| $7 \times 3 \times 4 = 84$ | | |
| $\frac{1}{4} = 0.4$ | | |
| 2 hours = 150 minutes | | |
| $\frac{1}{2}$ of 30 = $\frac{1}{4}$ of 60 | | |
| $\frac{2}{5}$ of 60 = 24 | | |
| $1926 + 100 = 2126$ | | |
| Total | | |

Clue 2: _____



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Clue 3

Use your knowledge of inverse operations to find the missing number in each triangle. Colour the answers in on the table and rearrange these words to find the third clue.

$$\begin{array}{ccc} 15 & & \\ \div & & \div \\ \triangle & \times & 5 \end{array}$$

$$\begin{array}{ccc} 84 & & \\ \div & & \div \\ 7 & \times & \triangle \end{array}$$



$$\begin{array}{ccc} 56 & & \\ \div & & \div \\ \triangle & \times & 8 \end{array}$$

$$\begin{array}{ccc} 63 & & \\ \div & & \div \\ 7 & \times & \triangle \end{array}$$

$$\begin{array}{ccc} \triangle & & \\ \div & & \div \\ 6 & \times & 8 \end{array}$$

$$\begin{array}{ccc} 145 & & \\ - & & - \\ \triangle & + & 90 \end{array}$$

$$\begin{array}{ccc} 418 & & \\ - & & - \\ 40 & + & \triangle \end{array}$$

$$\begin{array}{ccc} \triangle & & \\ - & & - \\ 165 & + & 233 \end{array}$$

| | | | |
|-----------------------|--------------------|----------------------|-------------------|
| 3 the | 74 short | 388 long | 54 hair |
| 12 eyepatch | 7 new | 398 not | 55 wear |
| 26 pet | 9 does | 48 captain | 378 an |

Clue 3: _____

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Clue 4

Read the 24-hour digital times and match them to the times written in the table. Rearrange the words to find the fourth clue.



| | | | |
|---|--|---|--|
| <p>has</p> <p>Twenty minutes past three in the afternoon</p> | <p>rat</p> <p>Eight minutes past eight in the evening</p> | <p>new</p> <p>Ten minutes past four in the afternoon</p> | <p>the</p> <p>Quarter past one in the afternoon</p> |
| <p>monkey</p> <p>Half past ten in the evening</p> | <p>parrot</p> <p>Quarter past two in the afternoon</p> | <p>captain</p> <p>Half past nine in the evening</p> | <p>short</p> <p>Eight minutes past seven in the evening</p> |
| <p>long</p> <p>Twenty minutes to nine in the evening</p> | <p>a</p> <p>Twenty minutes to seven in the evening</p> | <p>hair</p> <p>Ten minutes to seven in the evening</p> | <p>pet</p> <p>Ten minutes to six in the evening</p> |

Clue 4: _____

