The Mystery of the Pirate Captain Maths Mystery Game **Answers**

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
205	**250**	**255**	**502**	**550**

2.

2161	2612	1261	6210	1623
1261	**1623**	**2162**	**2612**	**6210**

3.

8	8.3	8.4	8.6	8.2
8	**8.2**	**8.3**	**8.4**	**8.6**

4.

12.53	12.23	12.05	12.35	12.03
12.03	**12.05**	**12.23**	**12.35**	**12.53**

5.

67.84	68.74	67.48	68.47	64.87
64.87	**67.48**	**67.84**	**68.47**	**68.74**

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

Clue 1: _____ **The new captain isn't male.** _____

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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 × 9 > 7 × 8		✗
125 + 42 = 200 - 33	✓	
25 ÷ 10 = 2.05		✗
7 × 3 × 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	**4**	**5**

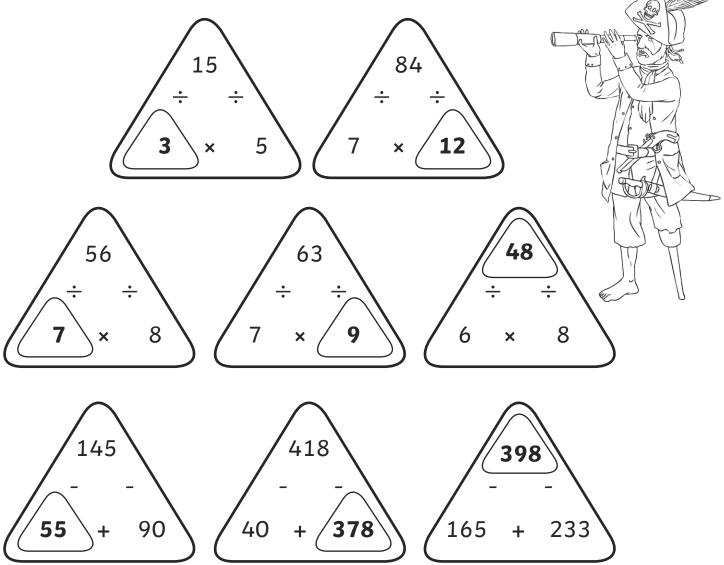Clue 2: _____**The new captain has short hair.**_____

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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.

15
÷ ÷
3 × 5

84
÷ ÷
7 × **12**

56
÷ ÷
7 × 8

63
÷ ÷
7 × **9**

48
÷ ÷
6 × 8

145
- -
55 + 90

418
- -
40 + **378**

398
- -
165 + 233

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: _____ **The new captain doesn't wear an eyepatch.** _____

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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.

| 15:20 | 16:10 | 21:30 |

| 13:15 | 18:40 | 17:50 |

| 20:08 |

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

Clue 4: ___**The new captain has a pet rat.**___

The new captain will be: ___**Silver Penny**___