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.
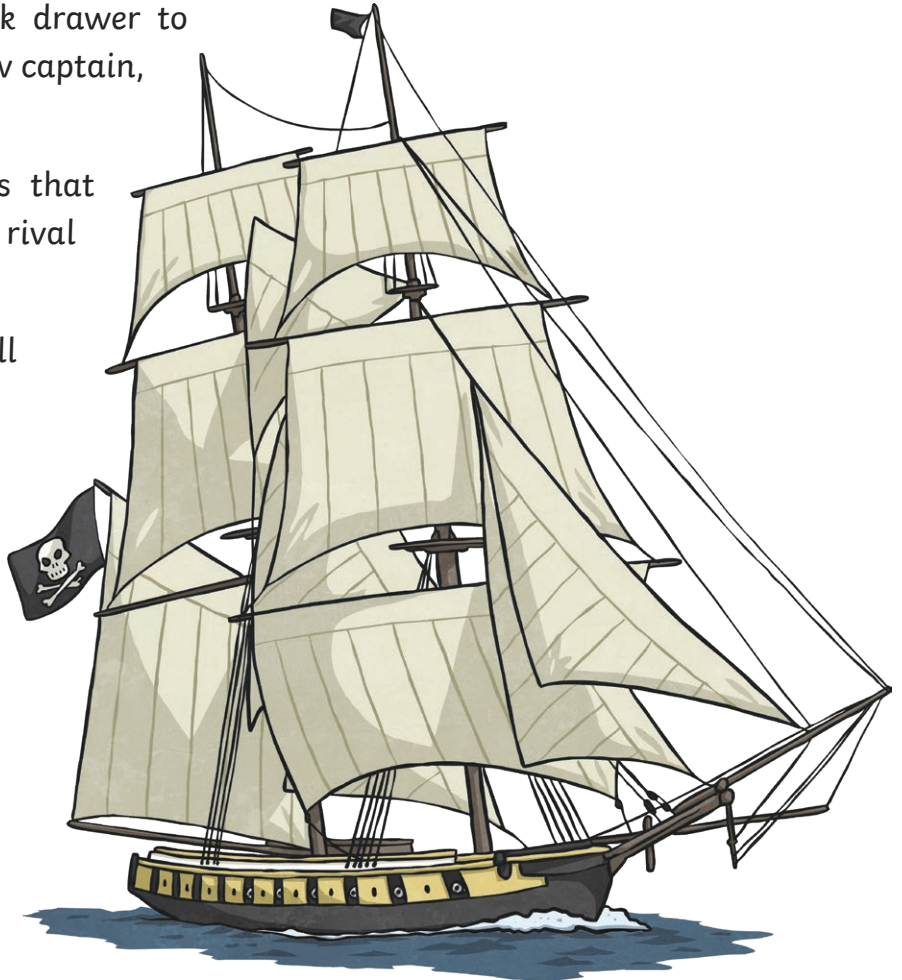
The Mystery of the Pirate Captain

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: _____

The Mystery of the Pirate Captain

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: _____

The Mystery of the Pirate Captain

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.

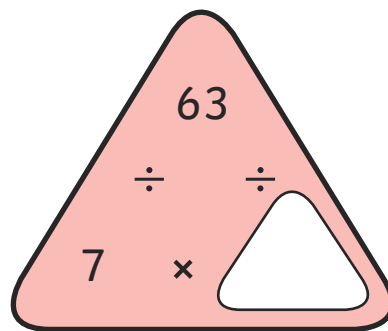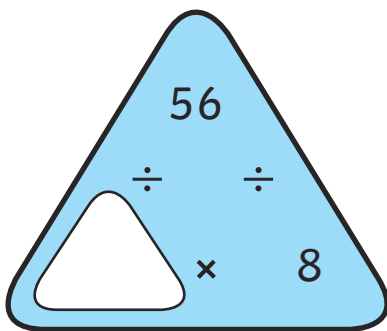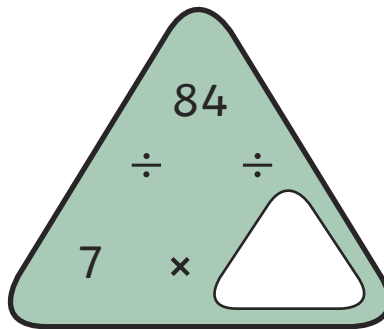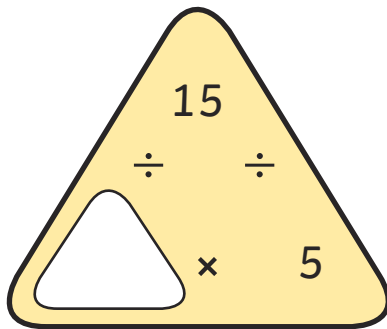|	Right ✓	Wrong ✗
6 × 9 > 7 × 8		
125 + 42 = 200 - 33		
25 ÷ 10 = 2.05		
7 × 3 × 4 = 84		
$\frac{1}{4}$ = 0.4		
2 hours = 150 minutes		
$\frac{1}{2}$ of 30 = $\frac{1}{4}$ of 60		
$\frac{2}{5}$ of 60 = 24		
1926 + 100 = 2126		
Total		

Clue 2: _____

The Mystery of the Pirate Captain

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.

Triangle 1 (yellow): 15 ÷ ÷ ☐ × 5

Triangle 2 (green): 84 ÷ ÷ 7 × ☐

Triangle 3 (blue): 56 ÷ ÷ ☐ × 8

Triangle 4 (pink): 63 ÷ ÷ 7 × ☐

Triangle 5 (teal): ☐ ÷ ÷ 6 × 8

Triangle 6 (purple): 145 − − ☐ + 90

Triangle 7 (orange): 418 − − 40 + ☐

Triangle 8 (green): ☐ − − 165 + 233

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

Clue 3: _____

The Mystery of the Pirate Captain

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 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 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: ___**The new captain isn't male.**___

The Mystery of the Pirate Captain **Answers**

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.

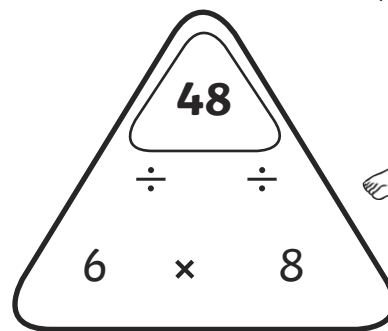|	Right ✓	Wrong ✗
$6 \times 9 > 7 \times 8$		✗
$125 + 42 = 200 - 33$	✓	
$25 \div 10 = 2.05$		✗
$7 \times 3 \times 4 = 84$	✓	
$\frac{1}{4} = 0.4$		✗
2 hours = 150 minutes		✗
$\frac{1}{2}$ of 30 = $\frac{1}{4}$ of 60	✓	
$\frac{2}{5}$ of 60 = 24	✓	
$1926 + 100 = 2126$		✗
Total	**4**	**5**

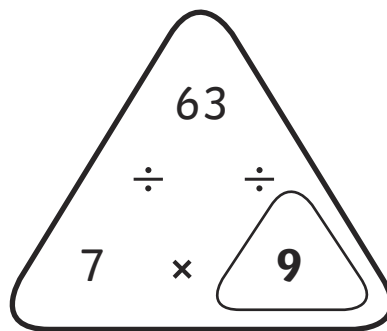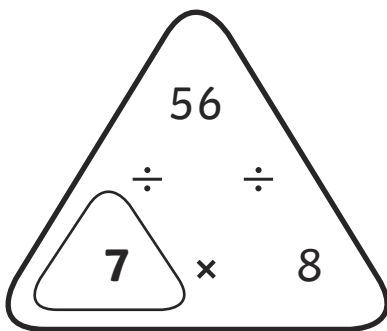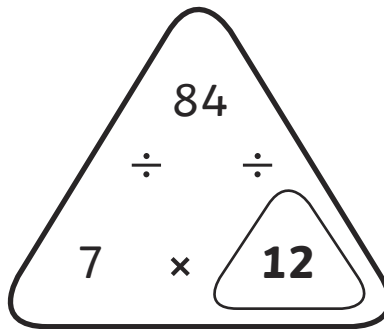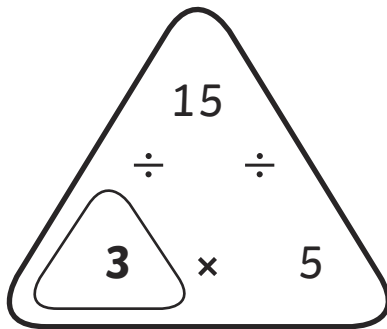Clue 2: _____ **The new captain has short hair.** _____

The Mystery of the Pirate Captain **Answers**

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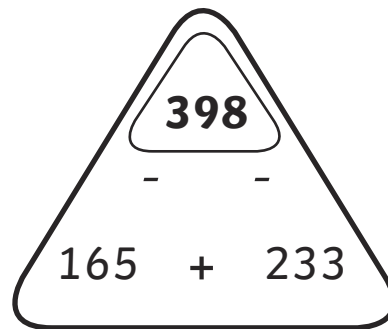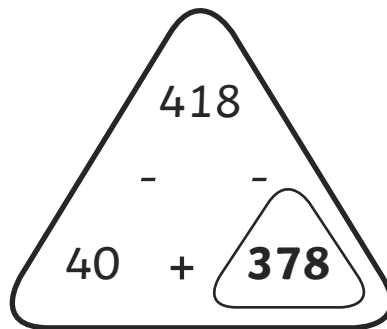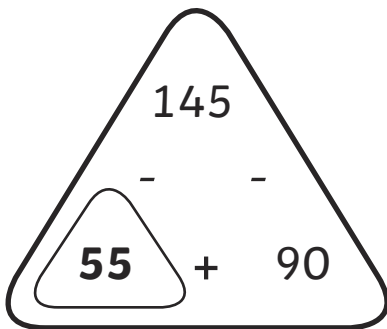
3 **the**	74 short	388 long	54 hair
12 **eyepatch**	7 **new**	398 **not**	55 **wear**
26 pet	9 **does**	48 **captain**	378 **an**

Clue 3: _____ **The new captain doesn't wear an eyepatch.** _____

The Mystery of the Pirate Captain **Answers**

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** _____