

Friday 25th June 2020

To end the week we are going to complete a mystery problem.

As usual look at the suspects and find a way to eliminate each one if you can't print out the pack.

Try not to peak at the answer please.

The Moji Road Trip Maths Mystery Game

Confused moji 🤔 has organised a surprise road trip to a secret destination for his moji friends. Happy Smile emoji 😊 is so pleased because he loves surprises! Angry moji 😡 isn't happy that he doesn't know where they are going. Cold moji 🥶 just hopes that they are going somewhere warm!



All of the mojis are ready with their luggage 🧳 and are waiting for Confused moji 🤔 to pick them up in the minibus. 🚐

When Confused moji 🤔 finally arrives, he looks more confused than ever before! He tells everyone that the map 🗺️ to the secret destination has disappeared and Confused moji can't remember where they are supposed to be going! The road trip will need to be cancelled!

Solve the clues to help Confused moji to remember the mystery destination and save the moji road trip.



The Moji Road Trip Maths Mystery Game

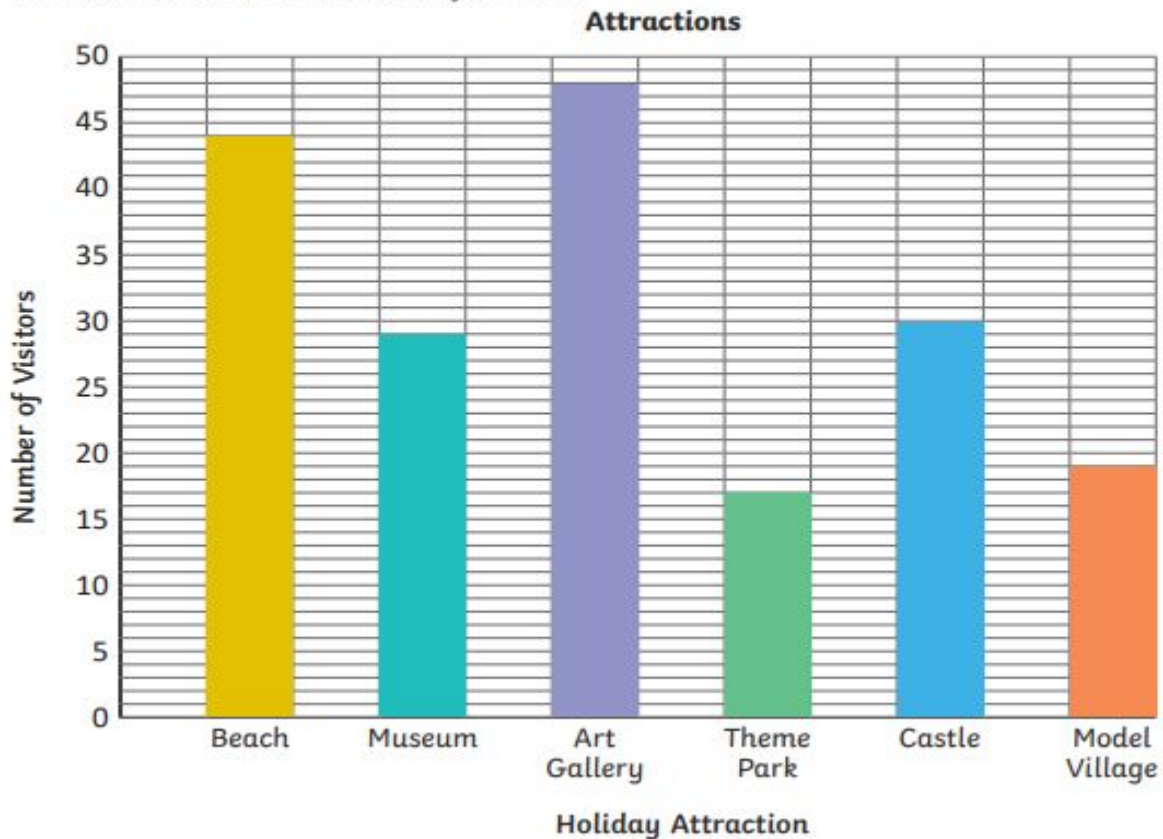
Destination	UK or Abroad?	Type of Accommodation	Coast, City or Countryside?	Approximate Population
Aberystwyth	UK	Camping	Coast	13 000
Buxton	UK	Hotel	Countryside	22 000
Calp	Abroad	Camping	Coast	20 000
Dublin	Abroad	Hotel	City	528 000
Edinburgh	UK	Camping	City	482 000
Frazé	Abroad	Hotel	Countryside	600
Göteborg	Abroad	Hotel	City	573 000
Holbeach town	UK	Camping	Countryside	5000
Lisieux	Abroad	Camping	Countryside	23 000
Malvern	UK	Camping	Countryside	30 000
Nice	Abroad	Hotel	City	343 000
Puerto del Carmen	Abroad	Hotel	Coast	20 000
Rimini	Abroad	Camping	Coast	147 000
Skegness	UK	Camping	Coast	20 000
Tarragona	Abroad	Hotel	Coast	131 000
Whitby	UK	Hotel	Coast	13 000

The secret destination is: _____

Clue 1

Answer the questions about the bar chart and colour in the boxes with the correct answers.

Use these words to work out the first clue.



61 the	11 destination	31 isn't	13 is
44 in	19 the	23 abroad	59 UK

How many more people went to the art gallery than the theme park?

How many fewer people went to the model village than to the castle?

How many people chose to go to the beach?

How many people went to the beach or the theme park?

How many more people went to the art gallery than to the museum?

How many people went to the museum or the castle?

Clue 1: _____

Clue 2

Check these maths calculations. If a calculation is correct, put a tick. If it is incorrect, put a cross.

Count up the number of ticks and crosses.

If there are more ticks than crosses, the accommodation is a hotel.

If there are more crosses than ticks, the accommodation is camping.

	Correct	Incorrect
$3 \times 12 < 7 \times 4$		
$150 - 68 = 82$		
$49 \div 7 = 8$		
$\frac{1}{2}$ of 68 = 34		
$\text{£}1 + 5\text{p} + 20\text{p} = \text{£}1.52$		
$32 \times 3 = 106$		
$3400 \div 100 = 34$		
2 litres = 2000ml		
$693 + 10 = 703$		
Total:		

Clue 2: The accommodation is _____.

The Moji Road Trip Maths Mystery Game

Clue 3

Sort the numbers into the correct boxes. Some numbers will belong in more than one box.

The box with the most numbers in it will give you a clue about the road trip destination.

1 5 10 20
 4 8 14 40

Even numbers	Multiples of 4	Factors of 20
The destination is on the coast.	The destination is in the city.	The destination is in the countryside.

Clue 3: The destination is _____.

Clue 4

How many of these fractions are equivalent to $\frac{1}{4}$?

$\frac{2}{8}$	$\frac{6}{24}$	$\frac{5}{20}$	$\frac{3}{4}$	$\frac{4}{16}$
$\frac{5}{11}$	$\frac{5}{8}$	$\frac{7}{28}$	$\frac{7}{12}$	$\frac{60}{100}$
$\frac{25}{44}$	$\frac{52}{100}$	$\frac{9}{36}$	$\frac{12}{48}$	$\frac{50}{200}$
$\frac{22}{44}$	$\frac{19}{36}$	$\frac{30}{50}$	$\frac{16}{30}$	$\frac{25}{40}$
$\frac{15}{60}$	$\frac{25}{100}$	$\frac{100}{400}$	$\frac{3}{12}$	$\frac{10}{40}$
$\frac{250}{1000}$	$\frac{16}{30}$	$\frac{12}{25}$	$\frac{30}{56}$	$\frac{40}{90}$

Number of fractions equivalent to $\frac{1}{4}$	Clue
< 15	The population is less than 50 000.
> 15	The population is more than 50 000.

Clue 4: The population is _____.

Destination	UK or Abroad?	Type of Accommodation	Coast, City or Countryside?	Approximate Population
Aberystwyth	UK	Camping	Coast	13 000
Buxton	UK	Hotel	Countryside	22 000
Calp	Abroad	Camping	Coast	20 000
Dublin	Abroad	Hotel	City	528 000
Edinburgh	UK	Camping	City	482 000
Frazé	Abroad	Hotel	Countryside	600
Göteborg	Abroad	Hotel	City	573 000
Holbeach town	UK	Camping	Countryside	5000
Lisieux	Abroad	Camping	Countryside	23 000
Malvern	UK	Camping	Countryside	30 000
Nice	Abroad	Hotel	City	343 000
Puerto del Carmen	Abroad	Hotel	Coast	20 000
Rimini	Abroad	Camping	Coast	147 000
Skegness	UK	Camping	Coast	20 000
Tarragona	Abroad	Hotel	Coast	131 000
Whitby	UK	Hotel	Coast	13 000

The secret destination is: Puerto del Carmen.

Clue 1

Answer the questions about the bar chart and colour in the boxes with the correct answers.

Use these words to work out the first clue.

61 the	11 destination	31 isn't	13 is
44 in	19 the	23 abroad	59 UK

How many more people went to the art gallery than the theme park? (31)

How many fewer people went to the model village than to the castle? (11)

How many people chose to go to the beach? (44)

How many people went to the beach or the theme park? (61)

How many more people went to the art gallery than to the museum? (19)

How many people went to the museum or the castle? (59)

Clue 1: The destination isn't in the UK.

Clue 2

Check these maths calculations. If a calculation is correct, put a tick. If it is incorrect, put a cross.

Count up the number of ticks and crosses.

If there are more ticks than crosses, the accommodation is a hotel.

If there are more crosses than ticks, the accommodation is camping.

	Correct	Incorrect
$3 \times 12 < 7 \times 4$		×
$150 - 68 = 82$	✓	
$49 \div 7 = 8$		×
$\frac{1}{2}$ of 68 = 34	✓	
$£1 + 5p + 20p = £1.52$		×
$32 \times 3 = 106$		×
$3400 \div 100 = 34$	✓	
2 litres = 2000ml	✓	
$693 + 10 = 703$	✓	
Total:	5	4

Clue 2: The accommodation is a hotel.

Clue 3

Sort the numbers into the correct boxes. Some numbers will belong in more than one box.

The box with the most numbers in it will give you a clue about the road trip destination.

1 4 5 8 10 14 20 40

Even numbers	Multiples of 4	Factors of 20
4, 8, 10, 14, 20, 40	4, 8, 20, 40	1, 4, 5, 10, 20
The destination is on the coast.	The destination is in the city.	The destination is in the countryside.

Clue 3: The destination is on the coast.

Clue 4

How many of these fractions are equivalent to $\frac{1}{4}$?

$\frac{2}{8}$	$\frac{6}{24}$	$\frac{5}{20}$	$\frac{3}{4}$	$\frac{4}{16}$
$\frac{5}{11}$	$\frac{5}{8}$	$\frac{7}{28}$	$\frac{7}{12}$	$\frac{60}{100}$
$\frac{25}{44}$	$\frac{52}{100}$	$\frac{9}{36}$	$\frac{12}{48}$	$\frac{50}{200}$
$\frac{22}{44}$	$\frac{19}{36}$	$\frac{30}{50}$	$\frac{16}{30}$	$\frac{25}{40}$
$\frac{15}{60}$	$\frac{25}{100}$	$\frac{100}{400}$	$\frac{3}{12}$	$\frac{10}{40}$
$\frac{250}{1000}$	$\frac{16}{30}$	$\frac{12}{25}$	$\frac{30}{56}$	$\frac{40}{90}$

Number of fractions equivalent to $\frac{1}{4}$	Clue
< 15	The population is less than 50 000.
> 15	The population is more than 50 000.

Clue 4: The population is less than 50 000.