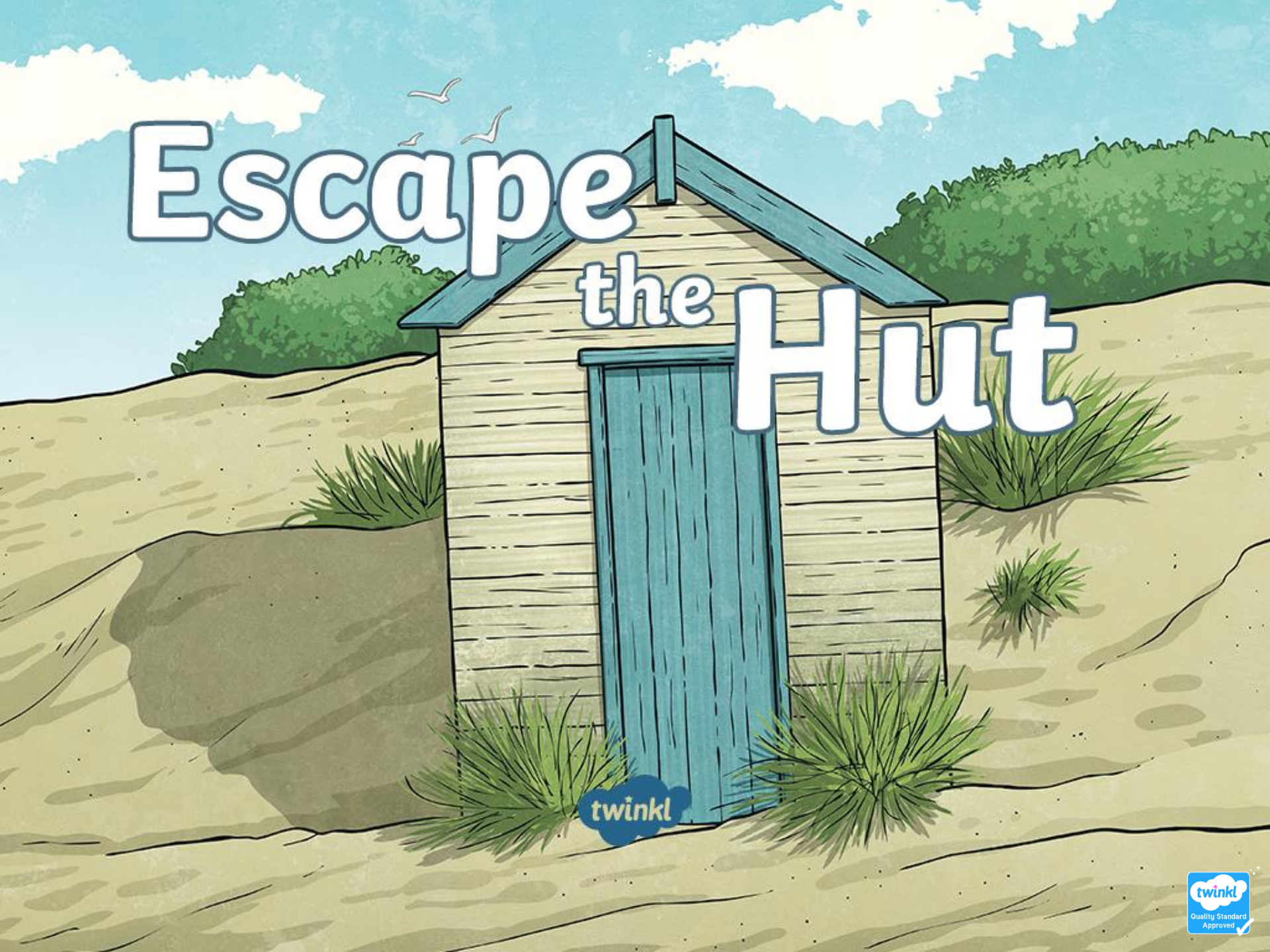
Escape
the
Hut
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Escape the Beach Hut!

You have been enjoying a glorious day at the beach. The sun is setting and the barbecue is sizzling so you head back to the beach hut to pack away the buckets, spades and deck chairs. Just as you step inside the beach hut, a strong gust of wind slams the door shut. You are trapped!

Solve the clues and puzzles to discover the keypad code needed to unlock the door.

Good luck!

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The Rules

- When you find a clue that has been hidden, find the answer and reveal one of the digits to the keypad code.
- Record your answers on the answer sheet.
- Once you have discovered the ten-digit code for the keypad, check it on the answer sheet and find out if you can escape the beach hut!

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Clue for Digit 1

2

4

8

6

1

0

5

9

3

7

Round this number to the nearest 10.

Find the digit sum of this answer.

The tens digit of the digit sum will give you the first number needed to escape the hut.

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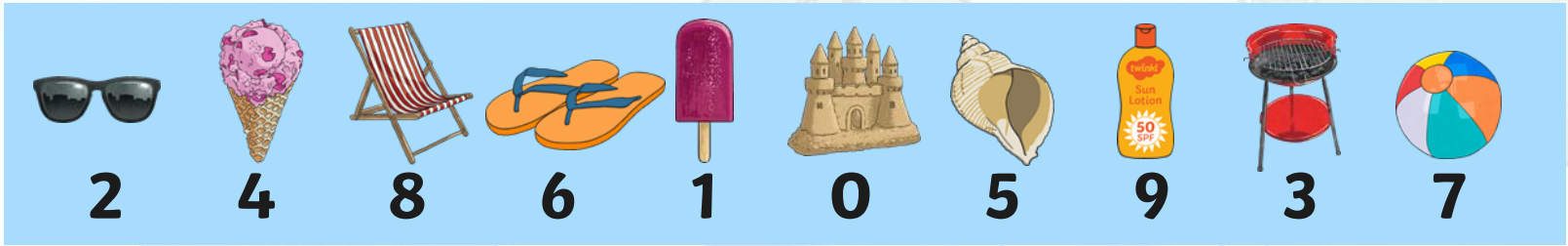
Clue for Digit 2



What is the missing number in this part-whole model?
Find the digit sum of this answer to reveal the
second digit of the code needed to escape the hut.

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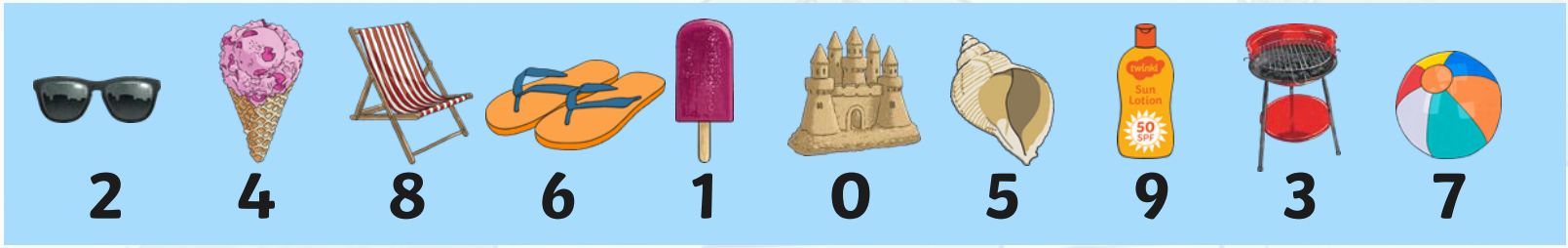
Clue for Digit 3



Calculate the answer to this addition calculation:

Add together the digits in the hundreds column and the ones column in the final answer. This will reveal the third digit of the code needed to escape the hut.

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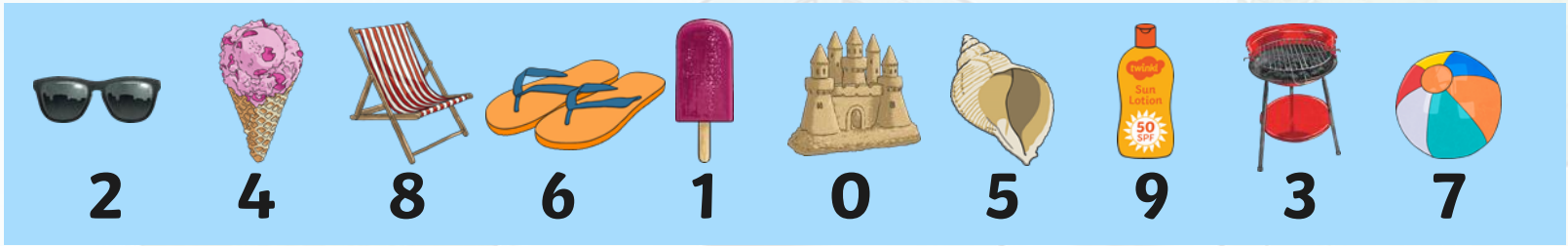
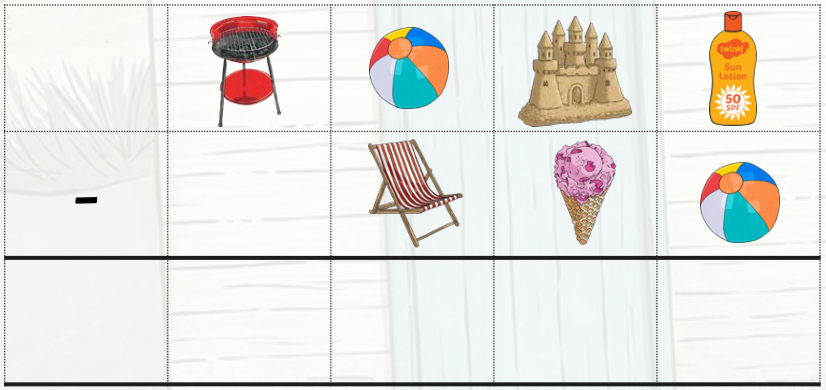
Clue for Digit 4



Calculate the answer to this subtraction calculation:



Add together the digits of this answer until you are left with one number. This will reveal the fourth digit of the number needed to escape the hut.

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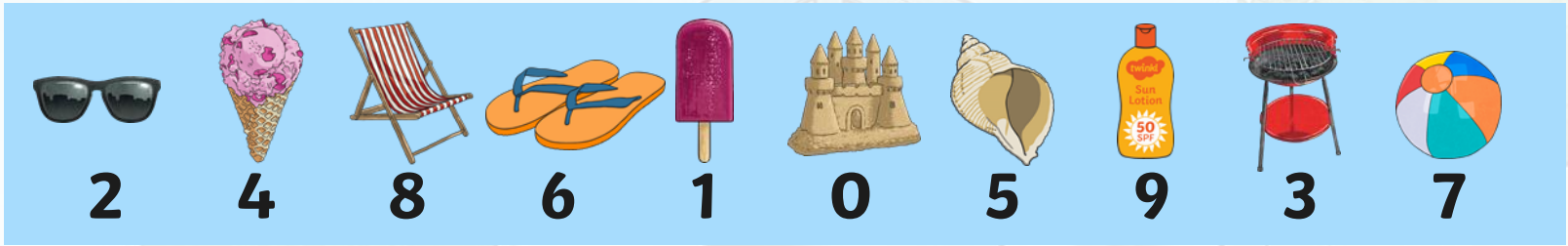
Clue for Digit 5



Solve the multiplication problems to complete the number cross.

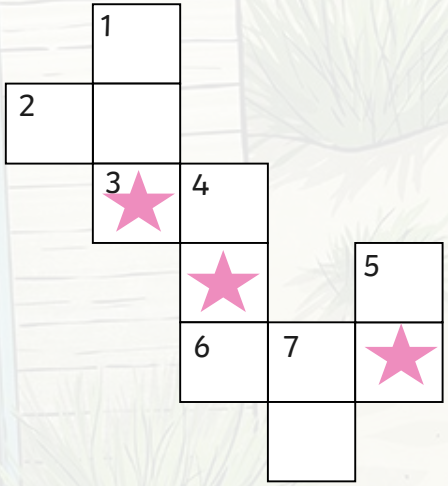
Across:

2.
3.
6.

Down:

1.
4.
5.
7.

Add together the numbers in the stars.



Add together the digits in this answer until you are left with one digit.
This will reveal the fifth digit of the number needed to escape the hut.

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Clue for Digit 6

Find $\frac{2}{5}$ of the number of ice creams.

The answer to this question gives you the sixth digit of the number you need to escape the hut.

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Clue for Digit 7

One sunny day, a café sells between 150 to 180 ice creams.

Counted in fours, there are two left over. Counted in sevens, there are four left over.

Numbers between 150 – 180 counted in 4s with two left over:	Numbers between 150 – 180 counted in 7s with four left over:

How many ice creams did the café sell?

The tens digit of this answer is the seventh digit of the number you need to escape the hut.

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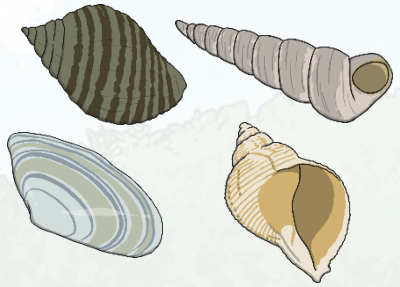
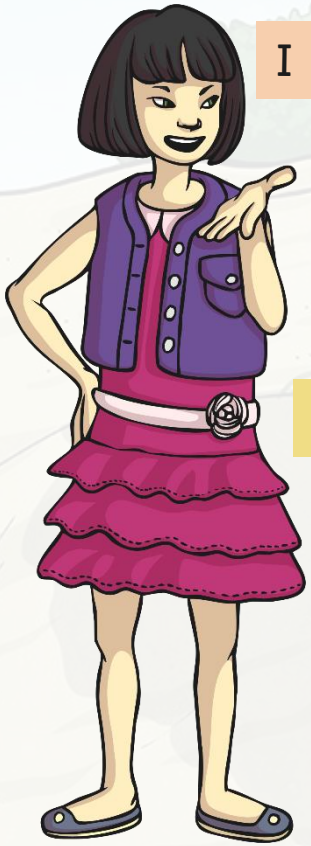
Clue for Digit 8



Solve this number riddle by using inverse operations.



I multiply the number of shells I have by 5.

I then subtract 50,

and divide by 2.

I end with the number 70.

How many shells did I collect?

Add the digits of this answer together until you are left with one number.
This will reveal the eighth digit of the number needed to escape the hut.

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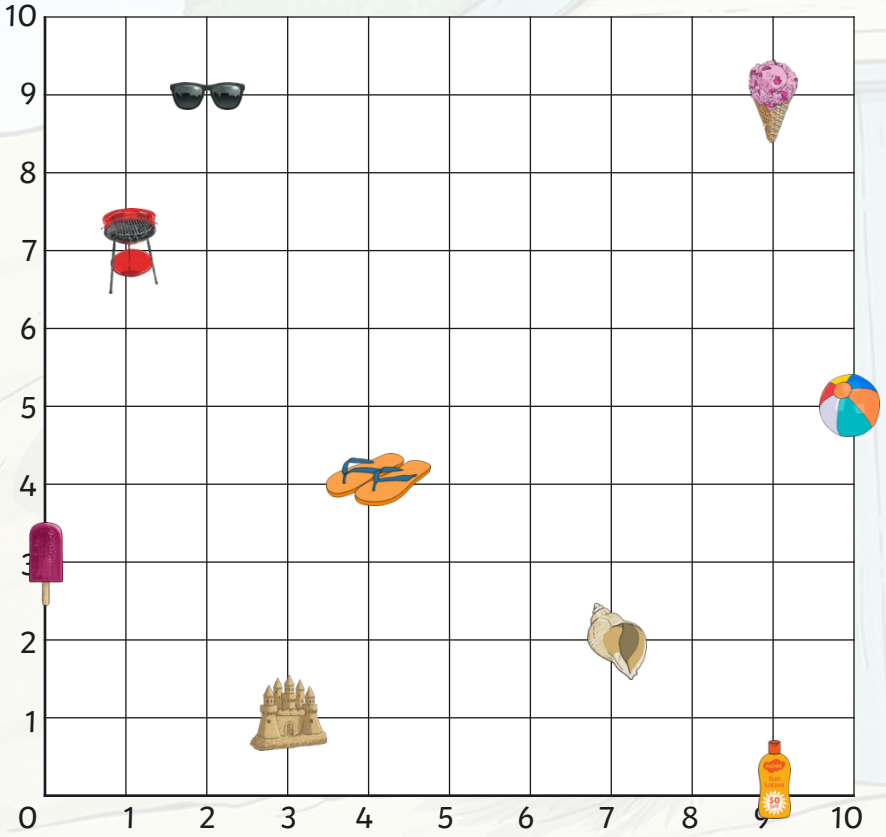
Clue for Digit 9

What is the coordinate position of the ?

What is the coordinate position of the ?



Add together the first number (x-axis position) in each coordinate answer.

This is the ninth digit of the number you need to escape the hut.

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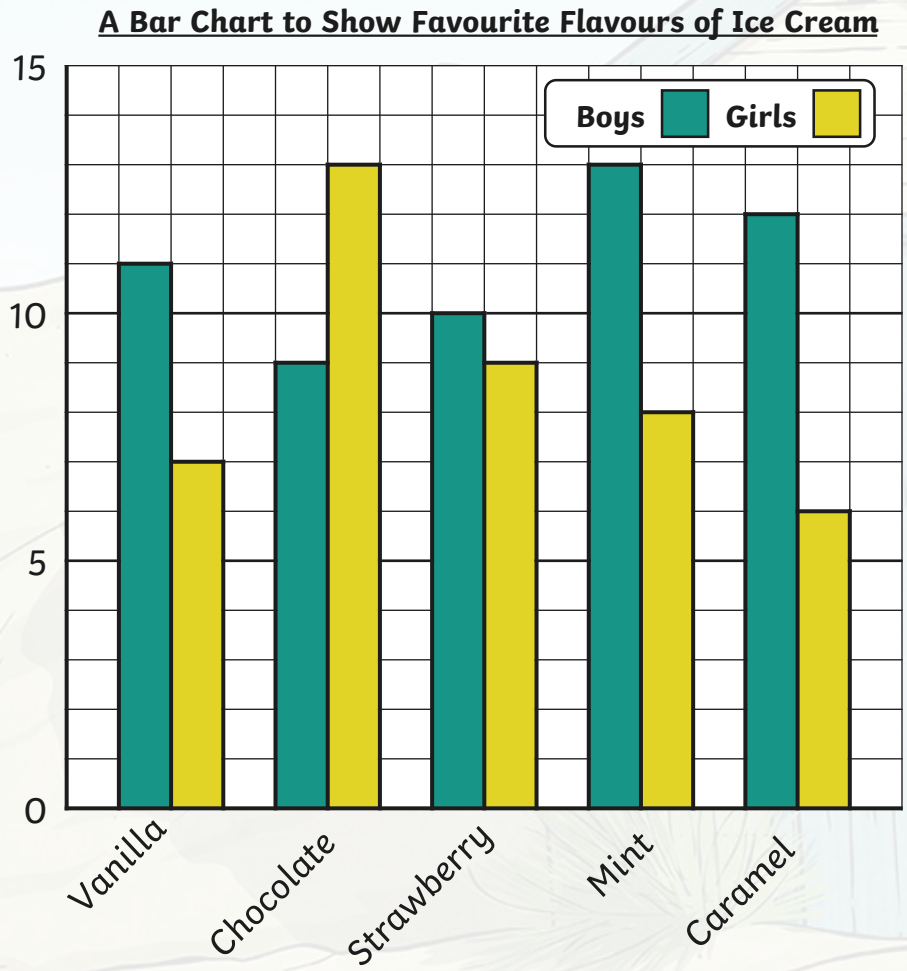
Clue for Digit 10



1. How many boys voted for chocolate or mint as their favourite flavour of ice cream?

2. How many girls voted for vanilla or caramel as their favourite flavour of ice cream?

Add together the answers to each question.

Find the digit sum of this total.

This is the tenth digit of the number you need to escape the hut.

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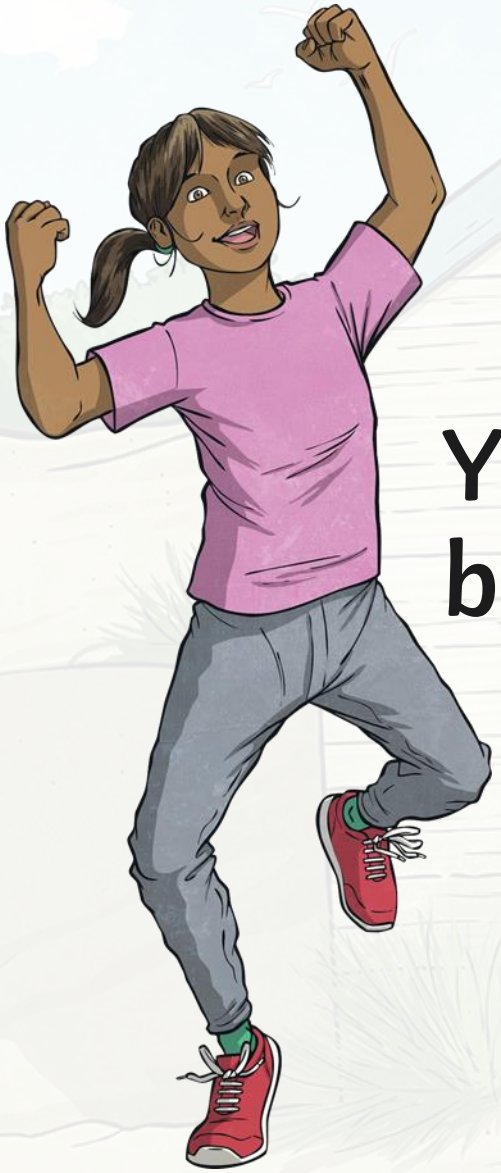

You escaped the beach hut!

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