

# Unlock the Icebox!

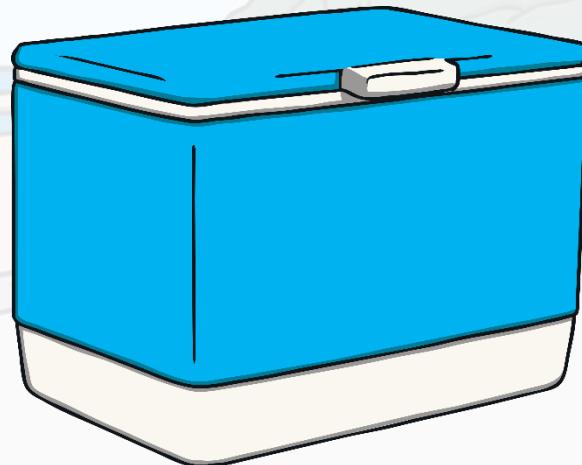


# Unlock the Icebox!

You are having a great day at the beach with your friends. As a special treat, you have an icebox filled with choc ices, ice lollies and fruit juice. Suddenly, you see that the icebox has been locked with a padlock!

You need to solve the clues and puzzles hidden around the room to reveal the code that will unlock the icebox.

The clues could be anywhere so you need to keep your eyes peeled and your mind sharp!



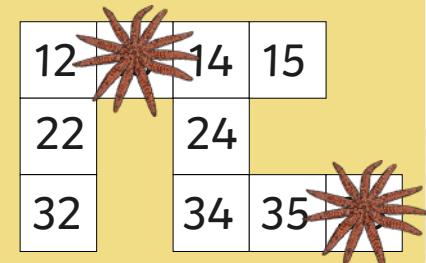
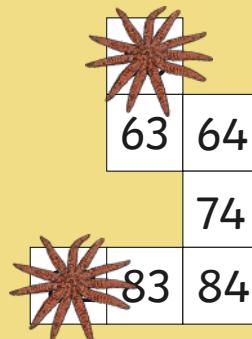
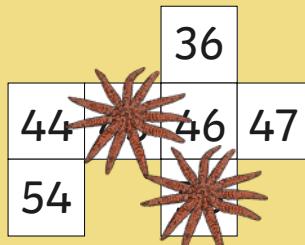
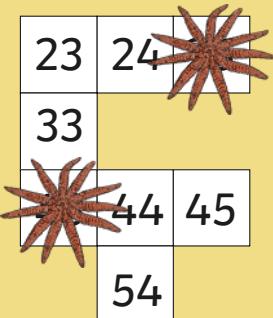
# The Rules

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



# Clue for Digit 1

Work out the numbers hidden by the starfish on these hundred squares.

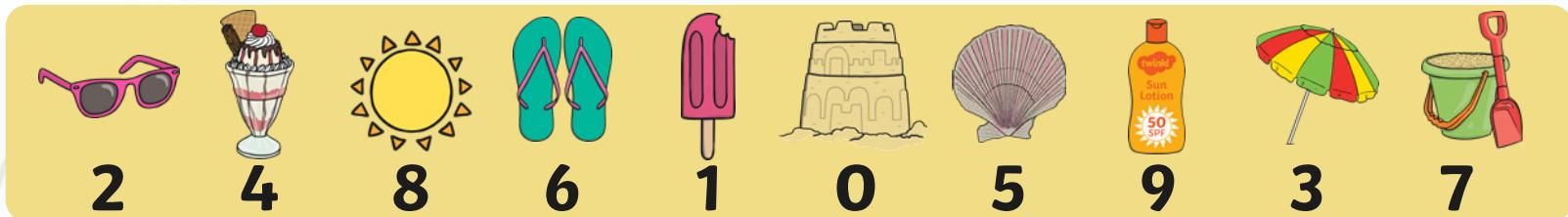


Now use the starfish numbers and sort them on the sorting mat.

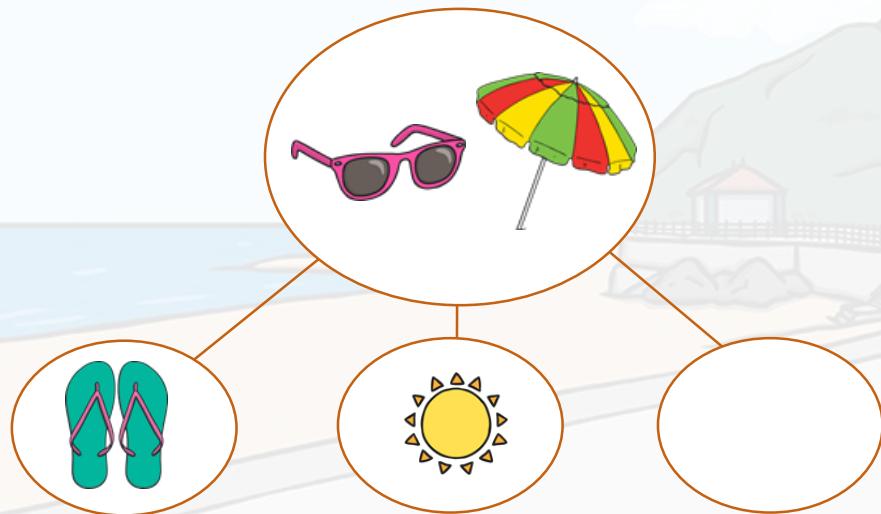
Ones digit = 2	Ones digit = 3	Ones digit = 5	Ones digit = 6

Which ones digit appears the most?  
This is the **first** digit that you need to unlock the icebox.

# Clue for Digit 2

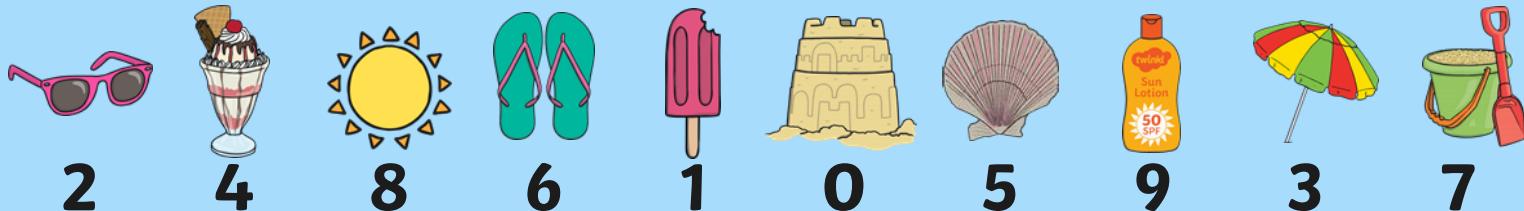


What is the missing number in this part-whole model?



This is the **second** digit that you need to unlock the icebox.

# Clue for Digit 3



Are these calculations true or false?

$$\text{Sun} + \text{Popsicle} = \text{Sunscreen}$$

$$\text{Seashell} + \text{Bucket} = \text{Popsicles}$$

$$\text{Ice Cream} + \text{Sunglasses} = \text{Flip Flops}$$

$$\text{Flip Flops} + \text{Sunscreen} = \text{Popsicle} + \text{Umbrella}$$

$$\text{Bucket} + \text{Sun} = \text{Popsicle} + \text{Seashell}$$

If there are more true calculations, then the third digit you need to unlock the icebox is:

1

If there are more false calculations, then the third digit you need to unlock the icebox is:

8

# Clue for Digit 4

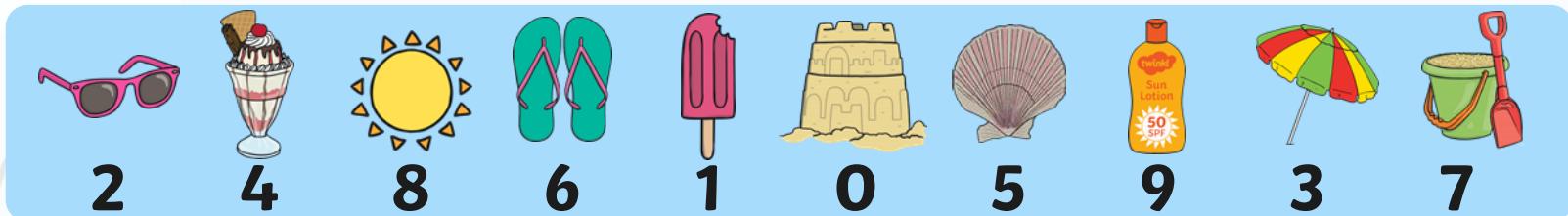
Use the code breaker to reveal a mixed-up summer word. Rearrange the letters and then turn over the matching object card to reveal the fourth digit you need to unlock the icebox.

A	B	C	D	E	F	G	H	I	J	K	L	M
8	9	60	13	5	24	2	22	12	1	25	19	15
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
7	16	11	26	18	20	17	100	10	6	14	23	4

Calculation	Answer	Letter
$4 \times 5$		
$25 \div 5$		
$9 \times 2$		
$14 \div 2$		

Calculation	Answer	Letter
$6 \times 10$		
$80 \div 10$		
$10 \times 10$		
$3 \times 5$		

# Clue for Digit 5



$$\text{sunglasses} \ \text{sun} - \text{flip-flops} =$$

$$\text{umbrella} \ \text{ice cream} - \text{bucket} \ \text{spade} =$$

$$\text{umbrella} \ \text{sandcastle} - \text{shell} =$$

$$\text{sunglasses} \ \text{popsicle} - \text{popsicle} =$$

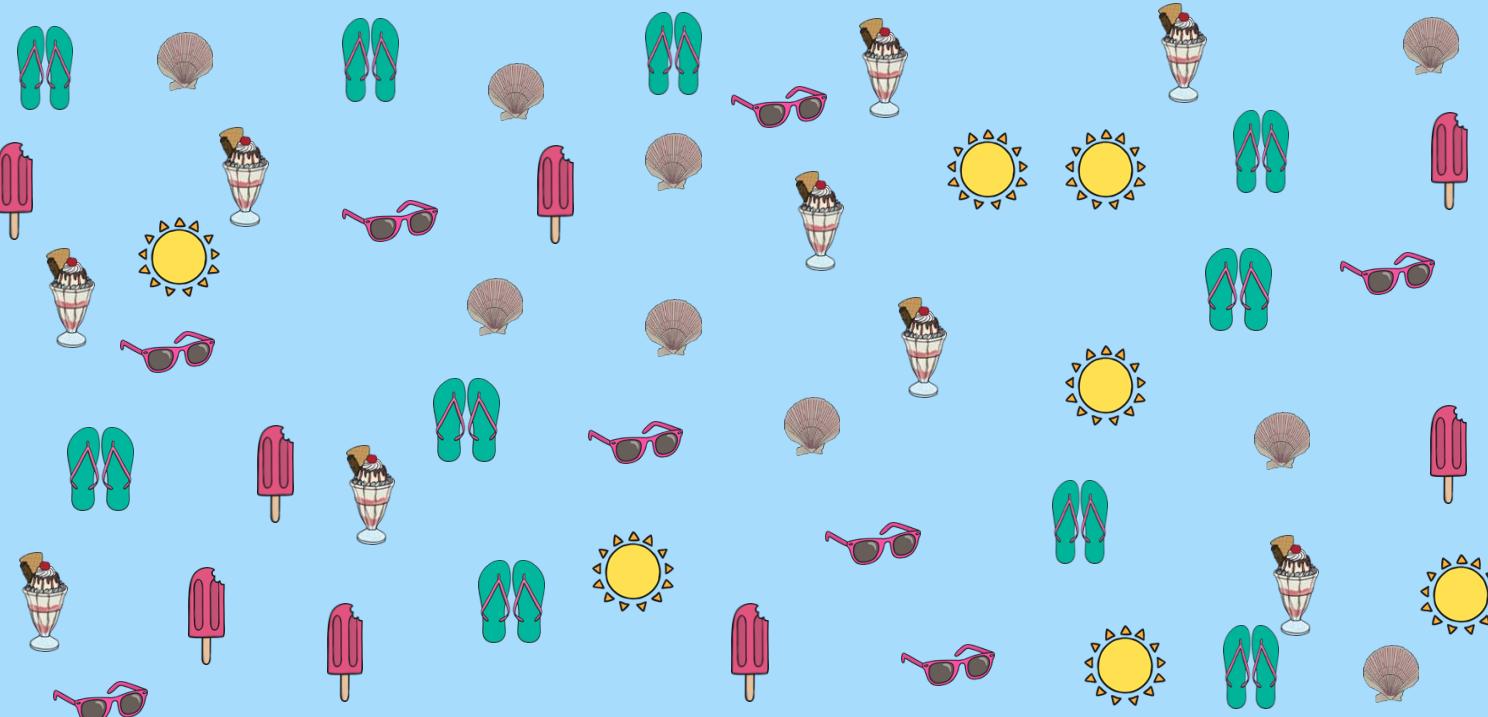
Colour the answers to the subtraction calculations in this mosaic.

The picture will reveal the **fifth** digit you need to unlock the icebox.

22	23	26	21	24
27	21	27	26	28
25	20	20	25	23
35	29	22	28	29
28	23	29	26	21

# Clue for Digit 6

How many pairs of sun glasses are there?



This answer is the **sixth** digit you need to unlock the icebox.

# Clue for Digit 7

One sunny, a café sells between 30 to 40 ice creams.

Counted in fives, there is one left over.

Counted in twos, there are none left over.

How many ice creams did the café sell?

Numbers between 30 – 40 that have a remainder of 1 when counted in 5s.

Numbers between 30 – 40 that can be divided by 2.

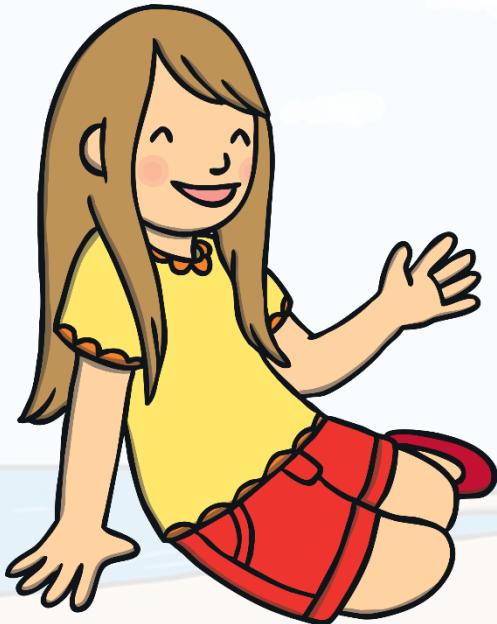
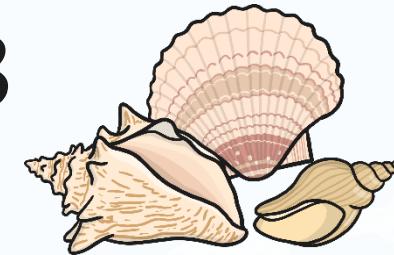
Add together the two digits in this answer to find the digit sum.

This is the **seventh** digit that you need to unlock the icebox.



# Clue for Digit 8

Solve this number riddle by using inverse operations.



I collect some shells on the beach.

I add 13 to this number of shells.

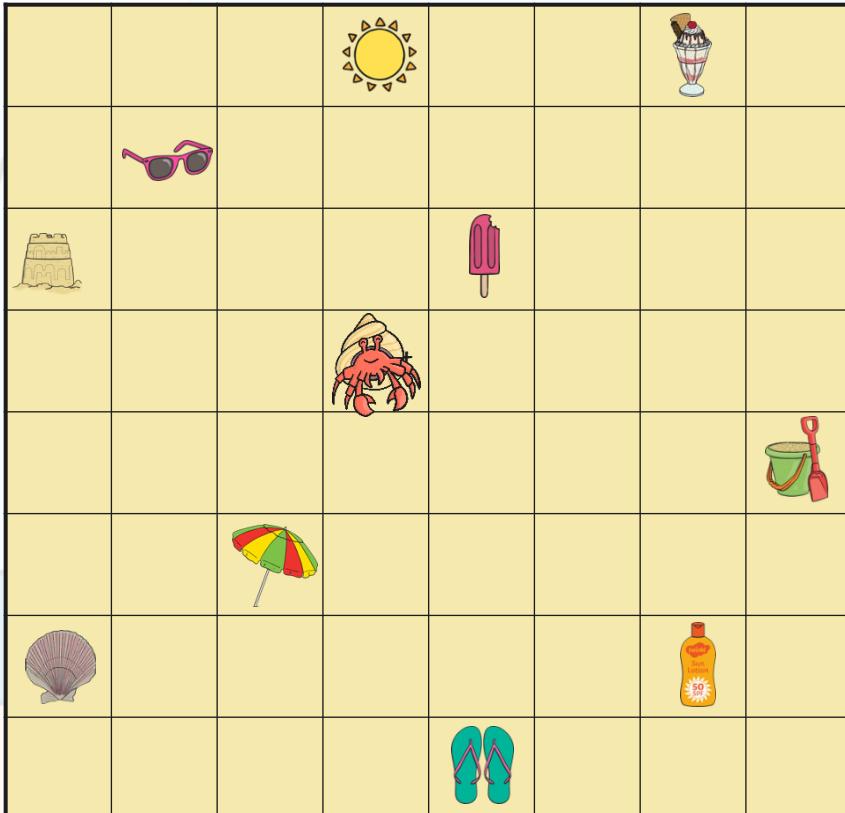
I end with the number 20.

How many shells did I collect?

This is the **eighth** digit that you need to unlock the icebox.



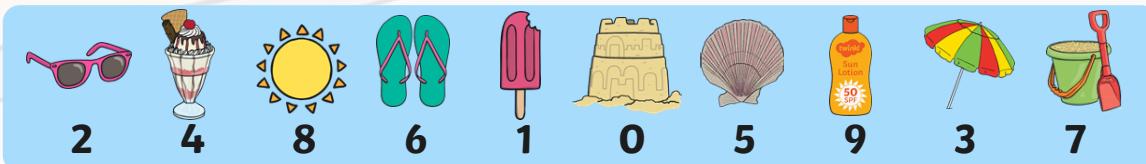
# Clue for Digit 9



Follow the crab's directions until you reach a summer object.

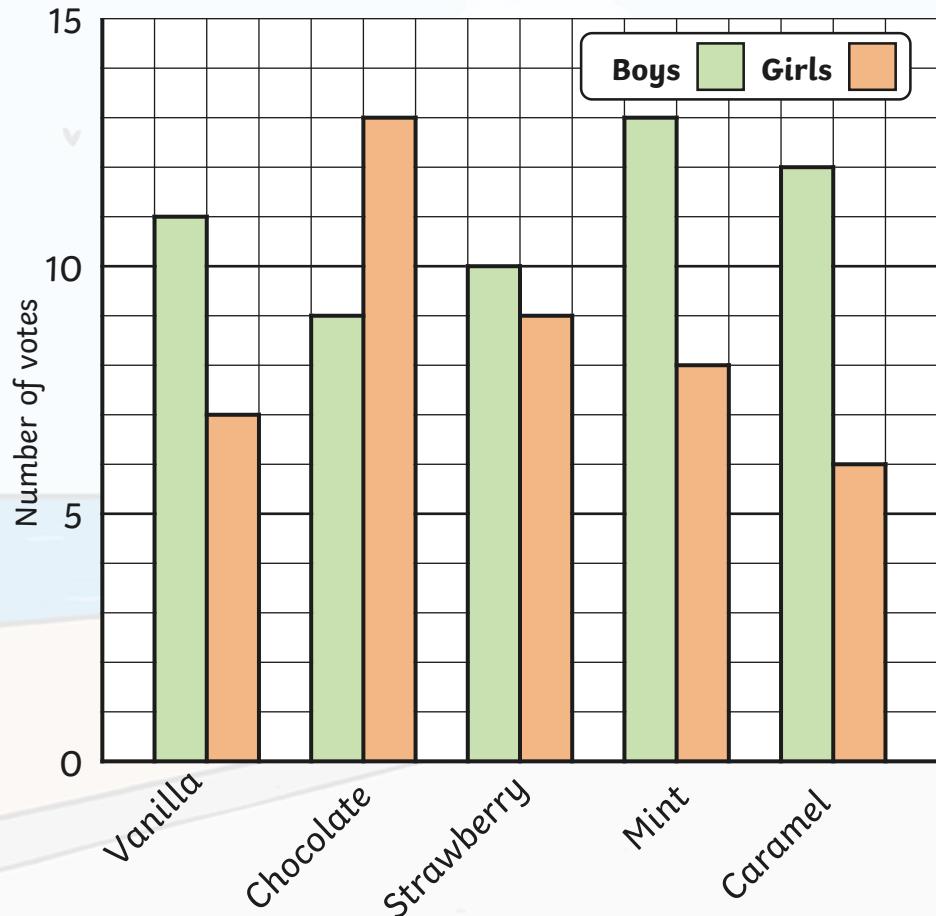
1. 3 squares right
2. 2 squares up
3. 4 squares left
4. 1 square down
5. 1 square left
6. 1 square up

This is the **ninth** digit that you need to unlock the icebox.



# Clue for Digit 10

A Bar Chart to Show Favourite Flavours of Ice Cream



How many girls voted for caramel as their favourite flavour of ice cream?





# You opened the icebox!



