
Lost in the Autumn Forest
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Lost in the Autumn Forest

You are having a wonderful time playing with your friends and family in the forest. You have been jumping in the piles of crisp, golden leaves and collecting shiny, brown conkers.

It's getting close to tea time and you all decide to head home. However, as you look around, you realise that you are lost!

Luckily, an adult in your group has a map of the forest on an app on their phone, but they have forgotten the passcode needed to unlock the phone.

Solve the clues and puzzles to discover the passcode needed to unlock the phone and find your way out of the forest.

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The Rules

- Record your answers in your book.
- Once you have discovered the passcode for the phone, go back to the website to where you find the lesson. There will be somewhere for you to click to check your answer and to find out if you can unlock the phone and escape the forest!

Clue 1

Work out the numbers that the hedgehogs are hiding in these number sequences.

4	12	16	20	24	28	32

500	400	350	300	250	200	150

100	200	300	400	500	600	800

48	44	40	36	28	24	20

50	100	150	250	300	350	400

8	16	24	40	48	56	64

16	20	24	28	36	40	44

80	72	56	48	40	32	24

Which **hedgehog number** occurs the most?
Find the **two digits** of this number together.

This is the **first** digit you need to unlock the phone and escape the forest.

Clue 2

									
2	4	8	6	1	0	5	9	3	7

Are these statements true or false?

If there are more **true** statements, then the **second** digit needed to escape the forest is: **1**

If there are more **false** statements, then the **second** digit needed to escape the forest is: **8**

Clue 3

A	B	C	D	E	F	G	H	I	J	K	L	M
3	4	5	6	7	8	9	10	12	15	16	18	20

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
21	24	27	28	30	33	40	48	56	64	72	80	96

Calculation	Answer	Letter
11 × 3		
56 ÷ 8		
6 × 8		
10 × 3		

Calculation	Answer	Letter
48 ÷ 4		
7 × 4		
10 × 3		
6 × 3		

Use the code breaker to reveal a mixed-up autumn word. The word you crack will be an object on the previous slide from the code breaker. The number that represents the object is your third digit to unlock the phone.

Clue 4

Solve the number puzzle by using inverse operations.
E.G start with 84 x 2

I collect some conkers in the forest.

I multiply the number of conkers I have by 3.

I then subtract 12,

and divide by 2.

I end with the number 84.

How many conkers did I collect?

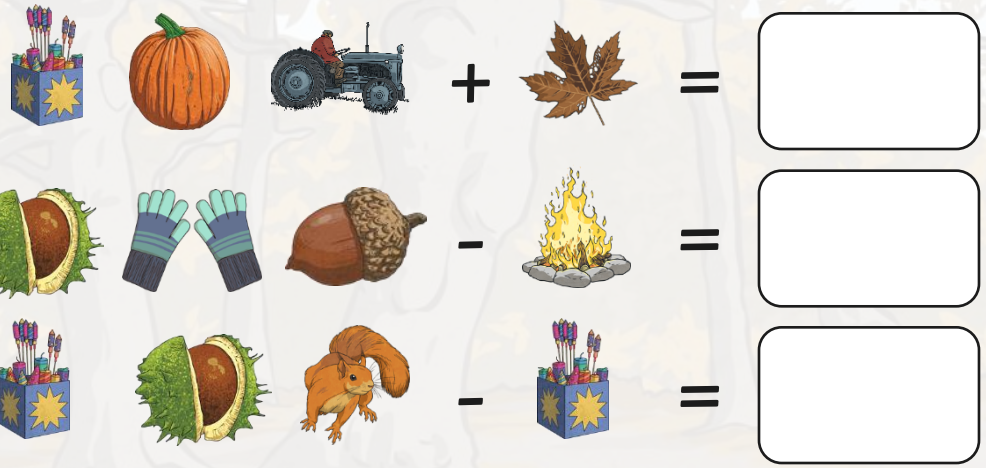
Find the digit sum of this answer.

This is the **fourth** digit of the number you need to unlock the phone and escape the forest.

Clue 5

									
2	4	8	6	1	0	5	9	3	7

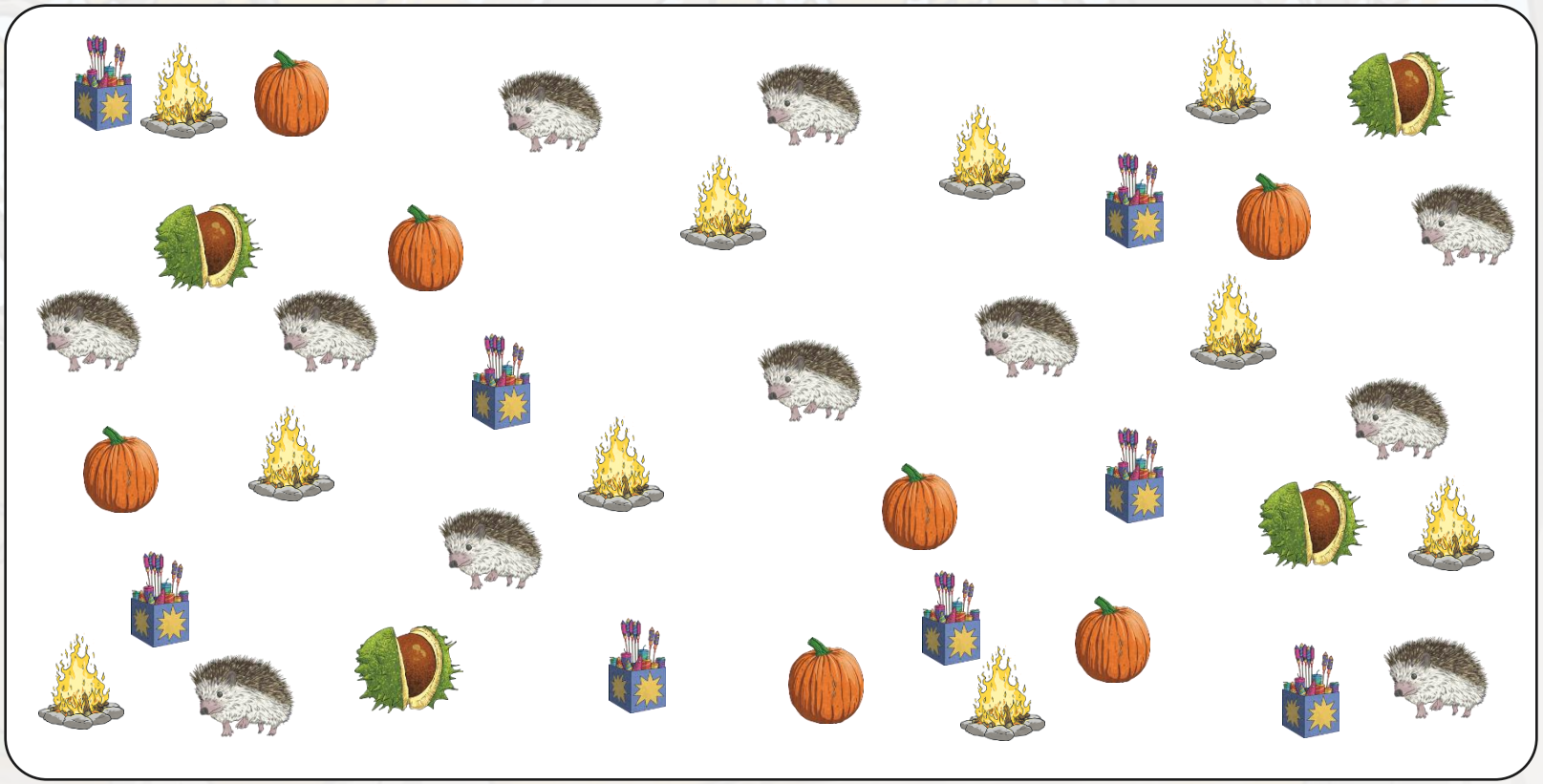
Calculate the answers to these addition and subtraction calculations.



871	897	885	871	898
885	872	884	872	884
897	871	871	885	898
885	898	884	871	872
897	885	897	885	884

Your answers will give your 3 numbers, colour all of them in on the mosaic.
The picture will reveal the **fifth** digit you need to unlock the phone and escape the forest.

Clue 6



Count how many bonfires there are.

Find $\frac{1}{5}$ of this number.

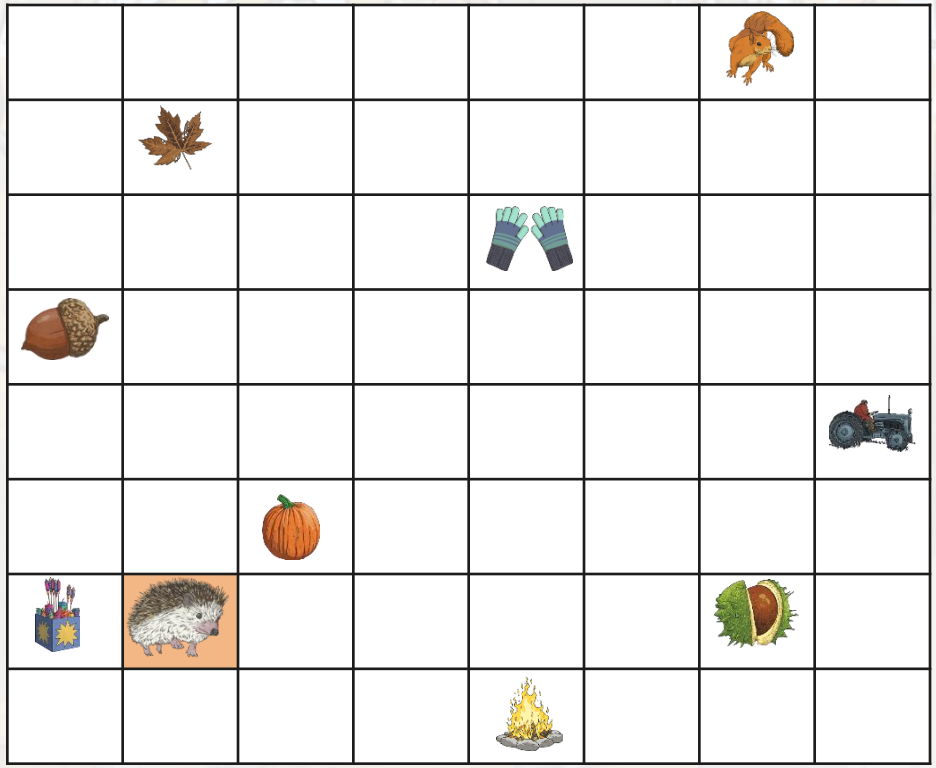
This is the **sixth** digit you need to escape the forest.

Clue 7

Follow the hedgehog's directions. Which autumn object does the hedgehog finish on?

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

This is the **seventh** digit you need to unlock the phone and escape the forest.

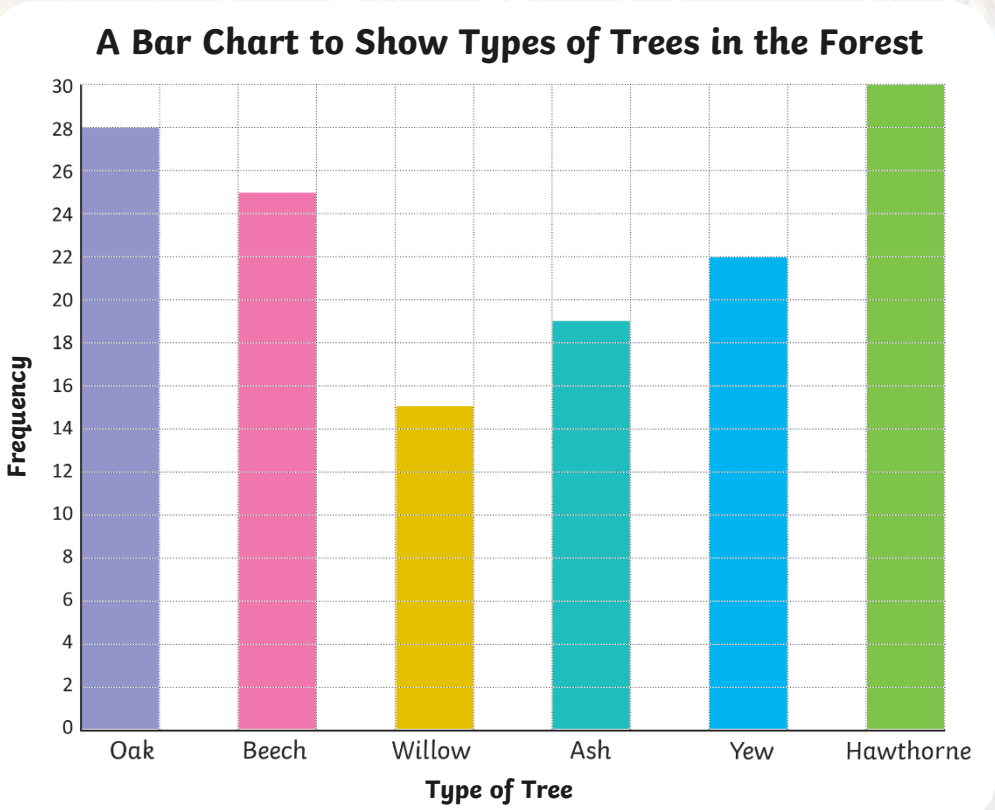


									
2	4	8	6	1	0	5	9	3	7

Clue 8

How many fewer ash trees are there than beech trees?

This is the **eighth** digit you need to unlock the phone and escape the forest.



Click on the link to go back to the website and click 'reveal answer' to see if you can escape the forest!

https://www.branstonjunioracademy.co.uk/ClosureY3-4.asp