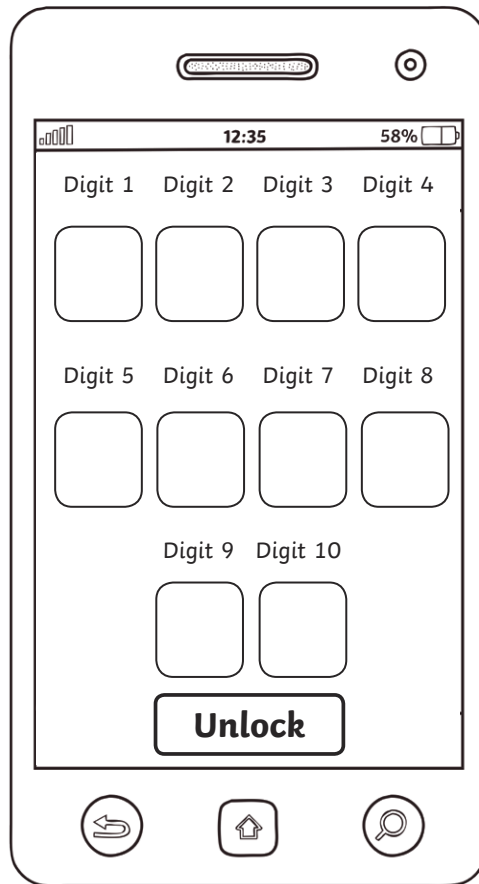


Lost in the Forest

Solve the clues hidden around the room to discover the passcode needed to unlock the phone.

Write the digits on this answer sheet as you crack the clues.

Once you have discovered the number for the phone, check it with your teacher to see if you can unlock the phone and escape the forest!

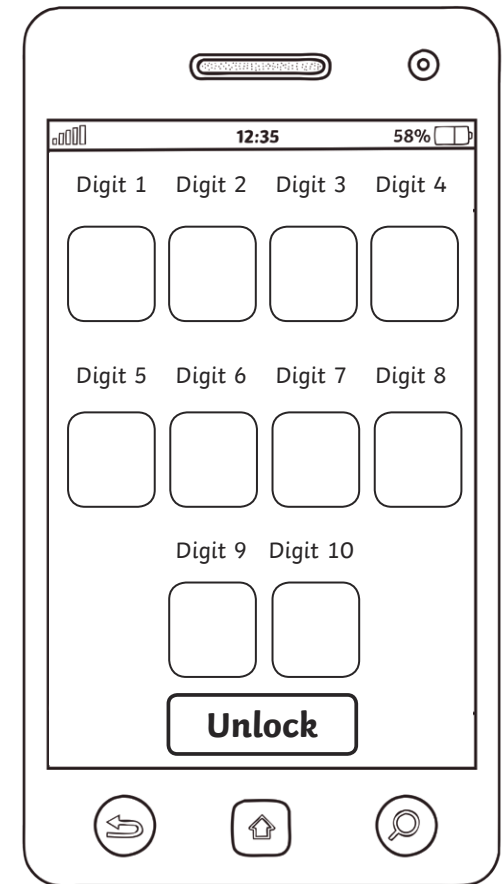


Lost in the Forest

Solve the clues hidden around the room to discover the passcode needed to unlock the phone.

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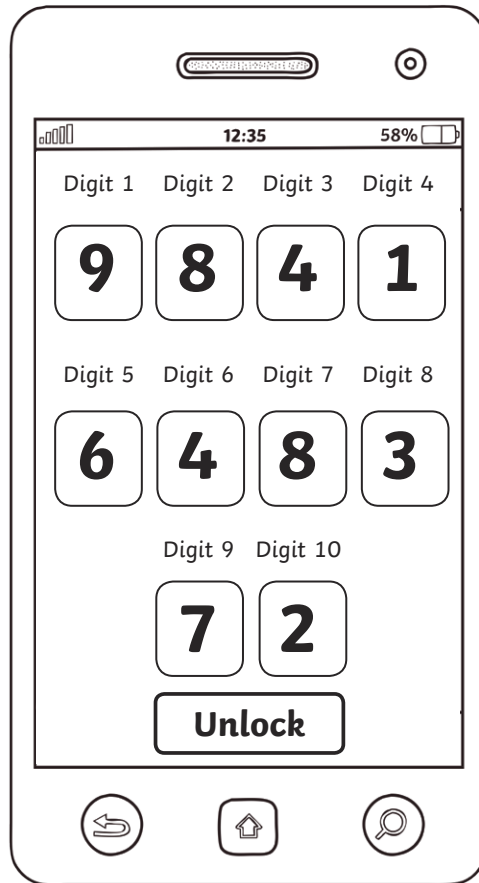


Lost in the Forest Answers

Solve the clues hidden around the room to discover the passcode needed to unlock the phone.

Write the digits on this answer sheet as you crack the clues.

Once you have discovered the number for the phone, check it with your teacher to see if you can unlock the phone and escape the forest!

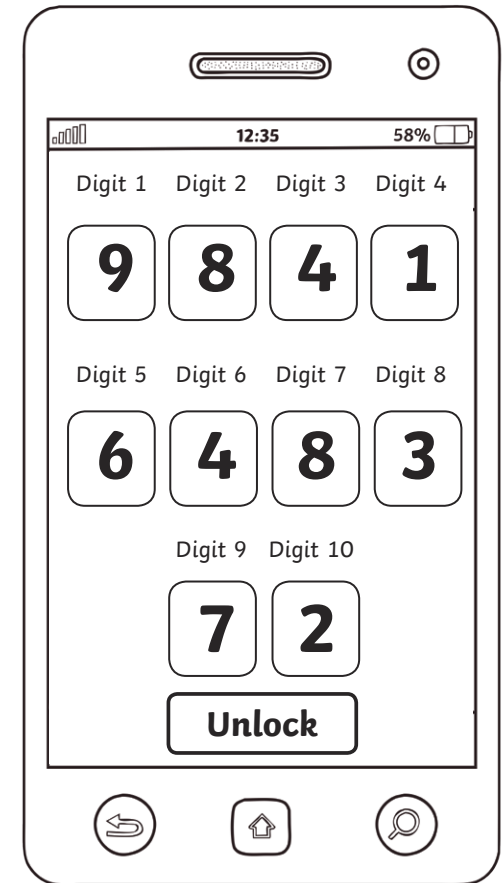


Lost in the Forest Answers

Solve the clues hidden around the room to discover the passcode needed to unlock the phone.

Write the digits on this answer sheet as you crack the clues.


Once you have discovered the number for the phone, check it with your teacher to see if you can unlock the phone and escape the forest!





Lost in the Forest


Clue 1


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


18	24	30	36	42	48		60
----	----	----	----	----	----	---	----

25		75	100	125	150	175	200
----	---	----	-----	-----	-----	-----	-----


108	99		81	72	63	54	45
-----	----	---	----	----	----	----	----

9	18	27	36	45		63	72
---	----	----	----	----	---	----	----

7	14	21	28	35		49	56
---	----	----	----	----	---	----	----

1000	2000	3000	4000		6000	7000	8000
------	------	------	------	---	------	------	------

450	425	400		350	325	300	275
-----	-----	-----	---	-----	-----	-----	-----

77	70		56	49	42	35	28
----	----	---	----	----	----	----	----

Which hedgehog number occurs the most?











Find the digit sum of this number.

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

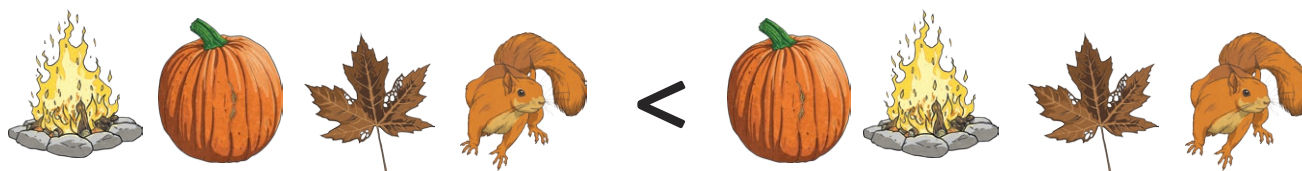


Lost in the Forest

Clue 2

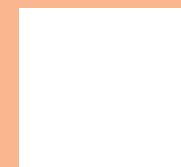
									
2	4	8	6	1	0	5	9	3	7

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**



Lost in the Forest

Clue 3

Use the code breaker to reveal a mixed-up autumn word.

A	B	C	D	E	F	G	H	I	J	K	L	M
3	5	7	9	12	15	54	42	36	40	45	49	50
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
56	63	66	72	77	84	88	90	99	108	121	132	144

Calculation	Answer	Letter
6×9		
7×6		
<input type="text"/> $\div 9 = 6$		
$84 \div 7$		

Calculation	Answer	Letter
$108 \div 9$		
7×9		
<input type="text"/> $\div 7 = 6$		
$81 \div 9$		

Find the matching object card to reveal the **third** digit needed to unlock the phone and escape the forest.



Lost in the Forest

Clue 4

Solve the number puzzle by using inverse operations.

I collect some conkers in the forest.

I divide the number of conkers I have by 4.

I then subtract 50,

and divide by 8.

I end with the number 7.

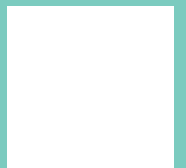
How many conkers did I collect?



Add the digits in this number together.











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.











Lost in the Forest

Clue 5

									
2	4	8	6	1	0	5	9	3	7

Calculate the answer to this addition calculation:

				
+				











Add the digits in this answer together.

Find the digit sum of this answer.









This is the fifth digit of the number needed to unlock the phone and escape the forest.

Lost in the Forest

Clue 6

									
2	4	8	6	1	0	5	9	3	7

Calculate the answer to this subtraction calculation:

				
-				

Add the digits in this answer together.

Find the digit sum of this answer.

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



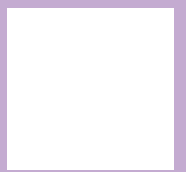
Lost in the Forest

Clue 7

How many squirrels are there? Find $\frac{4}{7}$ of this number.



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



Lost in the Forest

Clue 8

During a blustery, autumn walk in the forest, Oscar collected between 170 to 200 acorns.

When counted in fives, there are two left over. When counted in sixes, there are none left over.

How many acorns did Oscar collect?

Find the digit sum of the hundreds and ones digits.





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



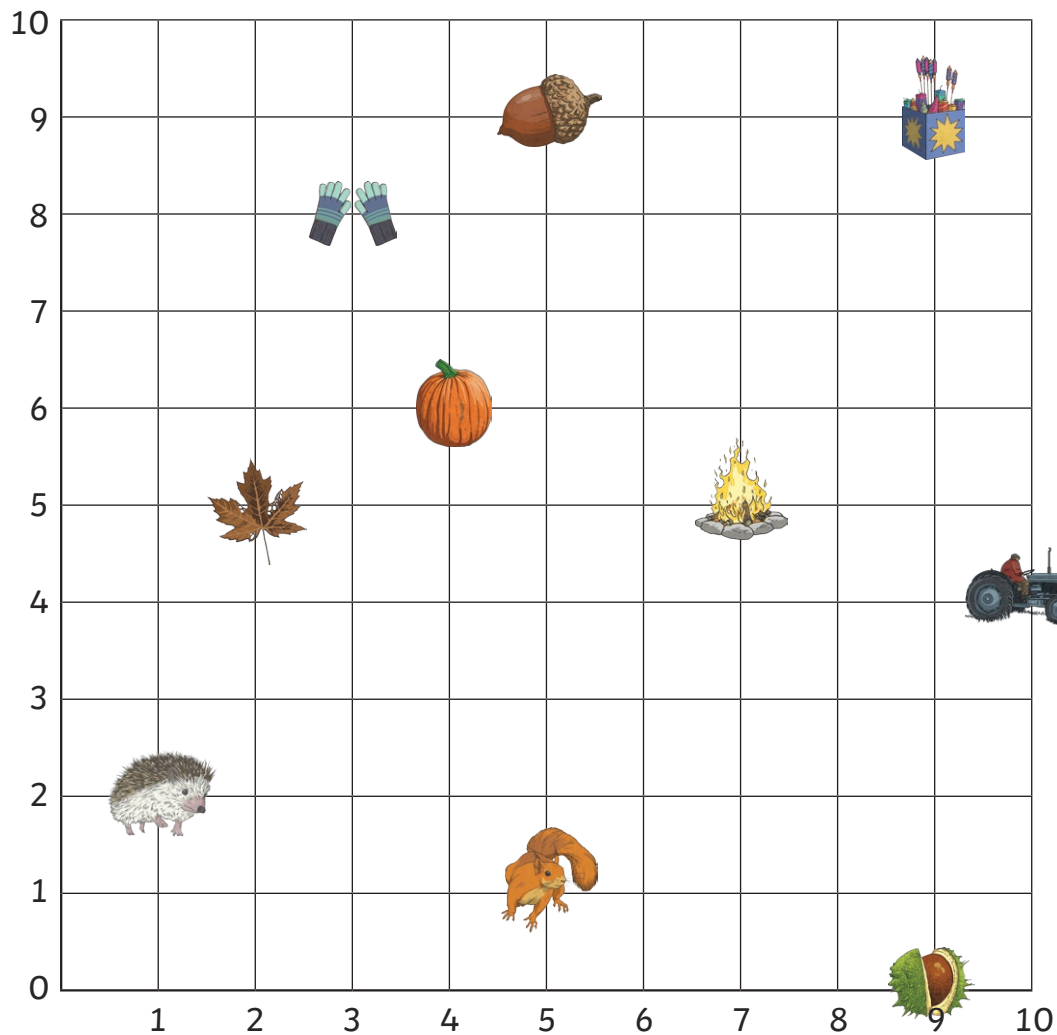
Lost in the Forest

Clue 9

What is the coordinate position of the  ?

What is the coordinate position of the  ?

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



This is the **ninth** digit of the number needed to unlock the phone and escape the forest.

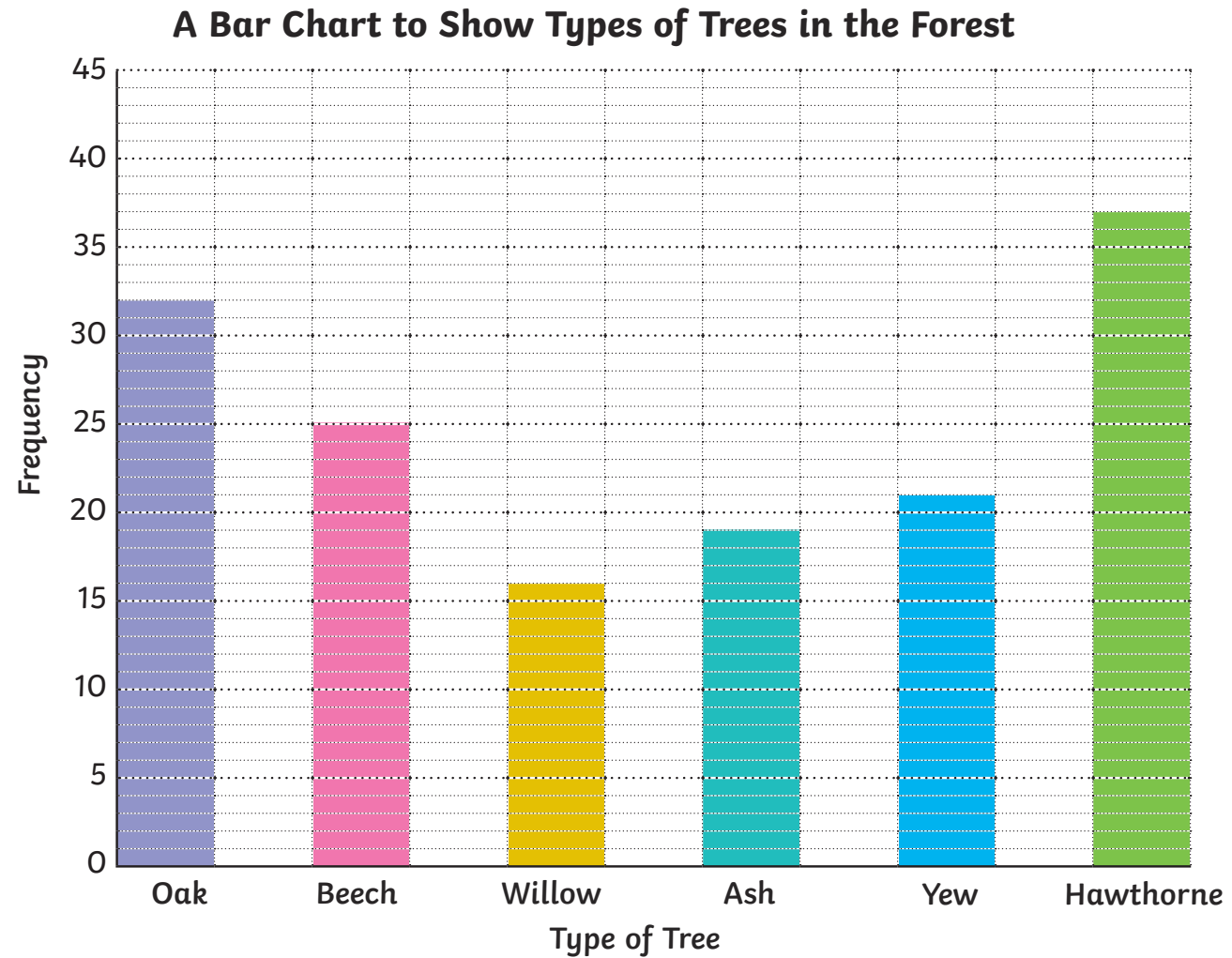


Lost in the Forest

Clue 10

How many ash, beech and yew trees are there in the forest altogether?

Add the digits in this number together and then find the digit sum of the answer.





This is the **tenth** digit needed to unlock the phone and escape the forest.


Lost in the Forest


Clue 1 Answers


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

18	24	30	36	42	48		60	54
----	----	----	----	----	----	---	----	-----------

25		75	100	125	150	175	200	50
----	---	----	-----	-----	-----	-----	-----	-----------


108	99		81	72	63	54	45	90
-----	----	---	----	----	----	----	----	-----------

9	18	27	36	45		63	72	54
---	----	----	----	----	---	----	----	-----------

7	14	21	28	35		49	56	42
---	----	----	----	----	---	----	----	-----------

1000	2000	3000	4000		6000	7000	8000	5000
------	------	------	------	---	------	------	------	-------------

450	425	400		350	325	300	275	375
-----	-----	-----	---	-----	-----	-----	-----	------------

77	70		56	49	42	35	28	63
----	----	---	----	----	----	----	----	-----------

Which hedgehog number occurs the most? **54**



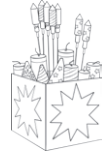





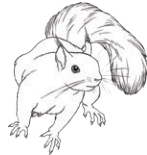

Find the digit sum of this number. **$54 = 5 + 4 = 9$**

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

9

Lost in the Forest

Clue 2 Answers

									
2	4	8	6	1	0	5	9	3	7

Are these statements true or false?





>




6812 > 6821 False





<




5643 < 6543 True





>




6079 > 6709 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**

8

Lost in the Forest

Clue 3 Answers

Use the code breaker to reveal a mixed-up autumn word.

A	B	C	D	E	F	G	H	I	J	K	L	M
3	5	7	9	12	15	54	42	36	40	45	49	50
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
56	63	66	72	77	84	88	90	99	108	121	132	144

Calculation	Answer	Letter
6×9	54	g
7×6	42	h
<input type="text"/> $\div 9 = 6$	54	g
$84 \div 7$	12	e

Calculation	Answer	Letter
$108 \div 9$	12	e
7×9	63	o
<input type="text"/> $\div 7 = 6$	42	h
$81 \div 9$	9	d

Find the matching object card to reveal the **third** digit needed to unlock the phone and escape the forest.

Hedgehog

4

Lost in the Forest

Clue 4 Answers

Solve the number puzzle by using inverse operations.

I collect some conkers in the forest.

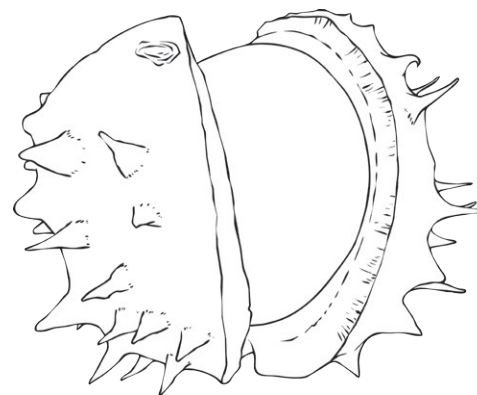
I divide the number of conkers I have by 4.

I then subtract 50,

and divide by 8.

I end with the number 7.

How many conkers did I collect? **424 conkers**



Add the digits in this number together. $424 = 4 + 2 + 4 = 10$











Find the digit sum of this answer. $1 + 0 = 1$

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









1

Lost in the Forest

Clue 5 Answers

									
2	4	8	6	1	0	5	9	3	7

Calculate the answer to this addition calculation:

				
+				
	9	3	6	6

Add the digits in this answer together. $9 + 3 + 6 + 6 = 24$











Find the digit sum of this answer. $2 + 4 = 6$

This is the fifth digit of the number needed to unlock the phone and escape the forest.









6

Lost in the Forest

Clue 6 Answers

									
2	4	8	6	1	0	5	9	3	7

Calculate the answer to this subtraction calculation:

				
-				
	1	6	1	5

Add the digits in this answer together. $1 + 6 + 1 + 5 = 13$

Find the digit sum of this answer. $1 + 3 = 4$

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

4

Lost in the Forest

Clue 7 Answers

How many squirrels are there? Find $\frac{4}{7}$ of this number.



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

$$\frac{4}{7} \text{ of } 14 = 8$$

8

Lost in the Forest

Clue 8 Answers

During a blustery, autumn walk in the forest, Oscar collected between 170 to 200 acorns.

When counted in fives, there are two left over. When counted in sixes, there are none left over.

How many acorns did Oscar collect?

192 acorns


Find the digit sum of the hundreds and ones digits. **$1 + 2 = 3$**




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

3

Lost in the Forest

What is the coordinate position of the  ?

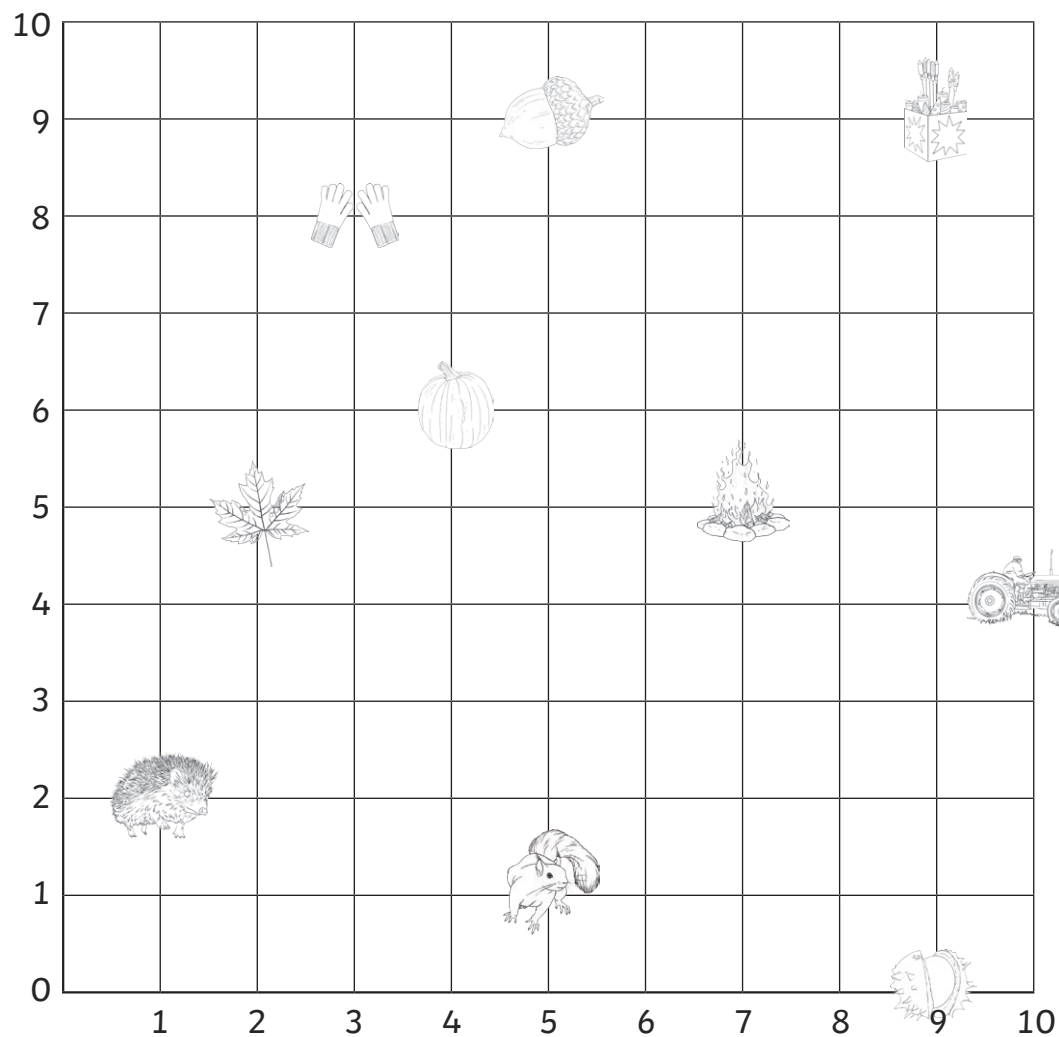
What is the coordinate position of the  ?

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

acorn = (5,9)

leaf = (2,5)

5 + 2 = 7



Clue 9 Answers

This is the **ninth** digit of the number needed to unlock the phone and escape the forest.

7

Lost in the Forest

How many ash, beech and yew trees are there in the forest altogether?

Add the digits in this number together and then find the digit sum of the answer.

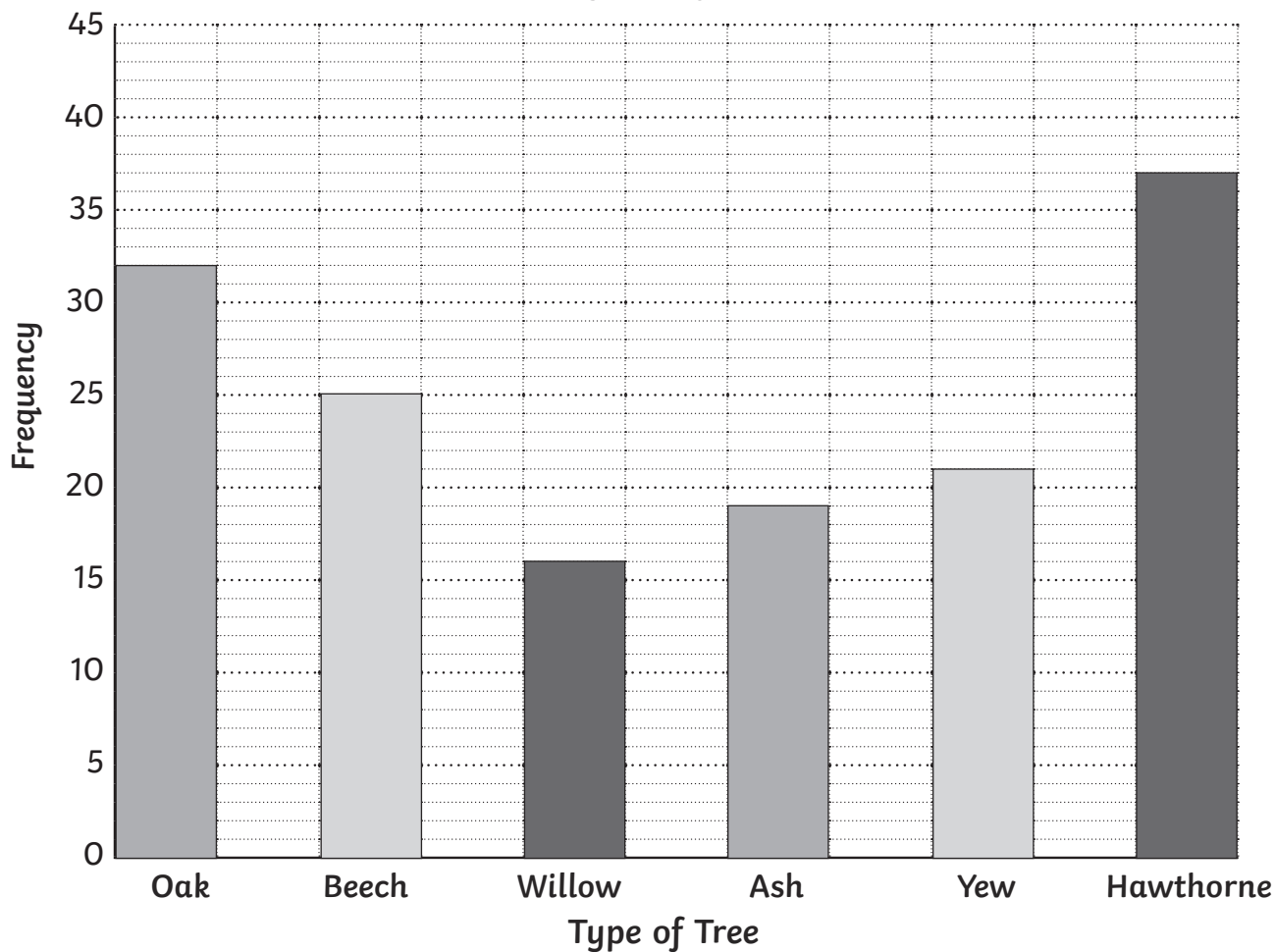
$$19 + 21 + 25 = 65$$

$$65 = 6 + 5 = 11$$

$$1 + 1 = 2$$

A Bar Chart to Show Types of Trees in the Forest

Clue 10 Answers



This is the **tenth** digit needed to unlock the phone and escape the forest.

2