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

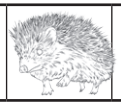
54

25		75	100	125	150	175	200

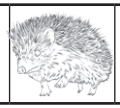
50

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.

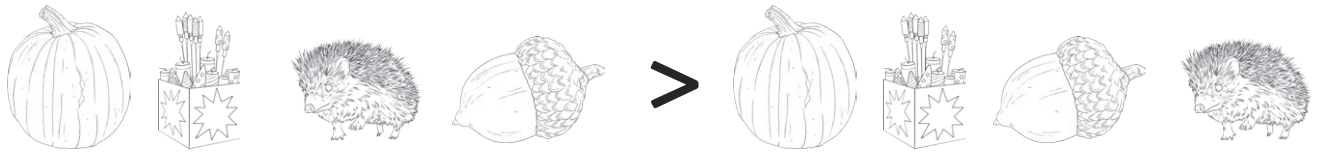
9

Lost in the Forest

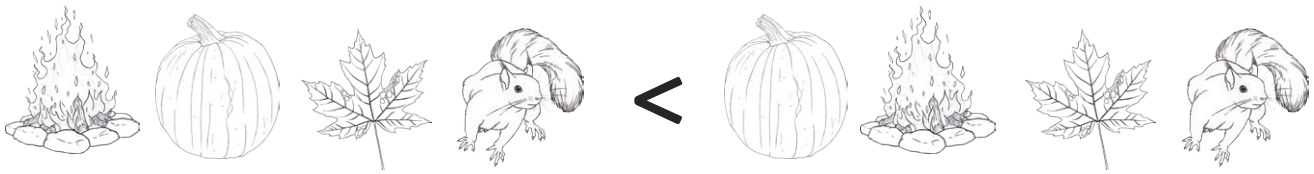
Clue 2 Answers

									
2	**4**	**8**	**6**	**1**	**0**	**5**	**9**	**3**	**7**

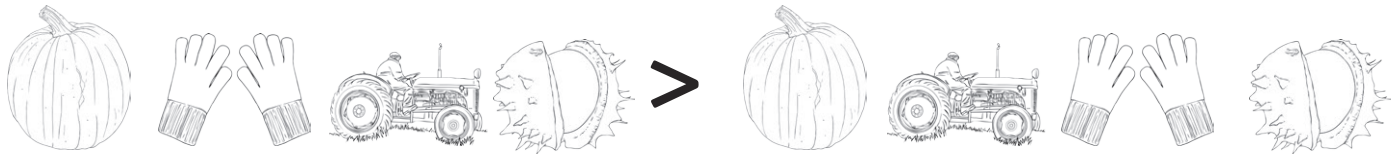
Are these statements true or false?



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**
☐ ÷ 9 = 6	**54**	**g**
84 ÷ 7	**12**	**e**

Calculation	Answer	Letter
108 ÷ 9	**12**	**e**
7 × 9	**63**	**o**
☐ ÷ 7 = 6	**42**	**h**
81 ÷ 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.

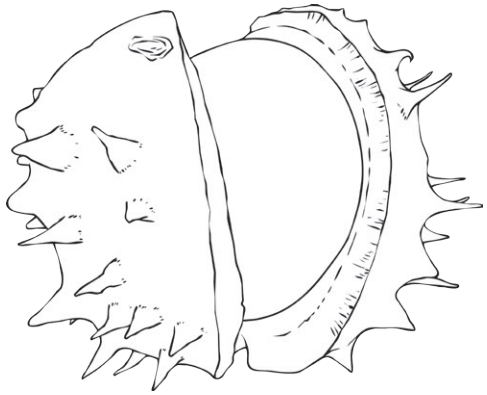
I divide the number of conkers I have by 4.

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.

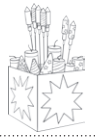
1

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

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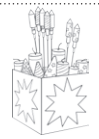
Clue 6 Answers

									
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

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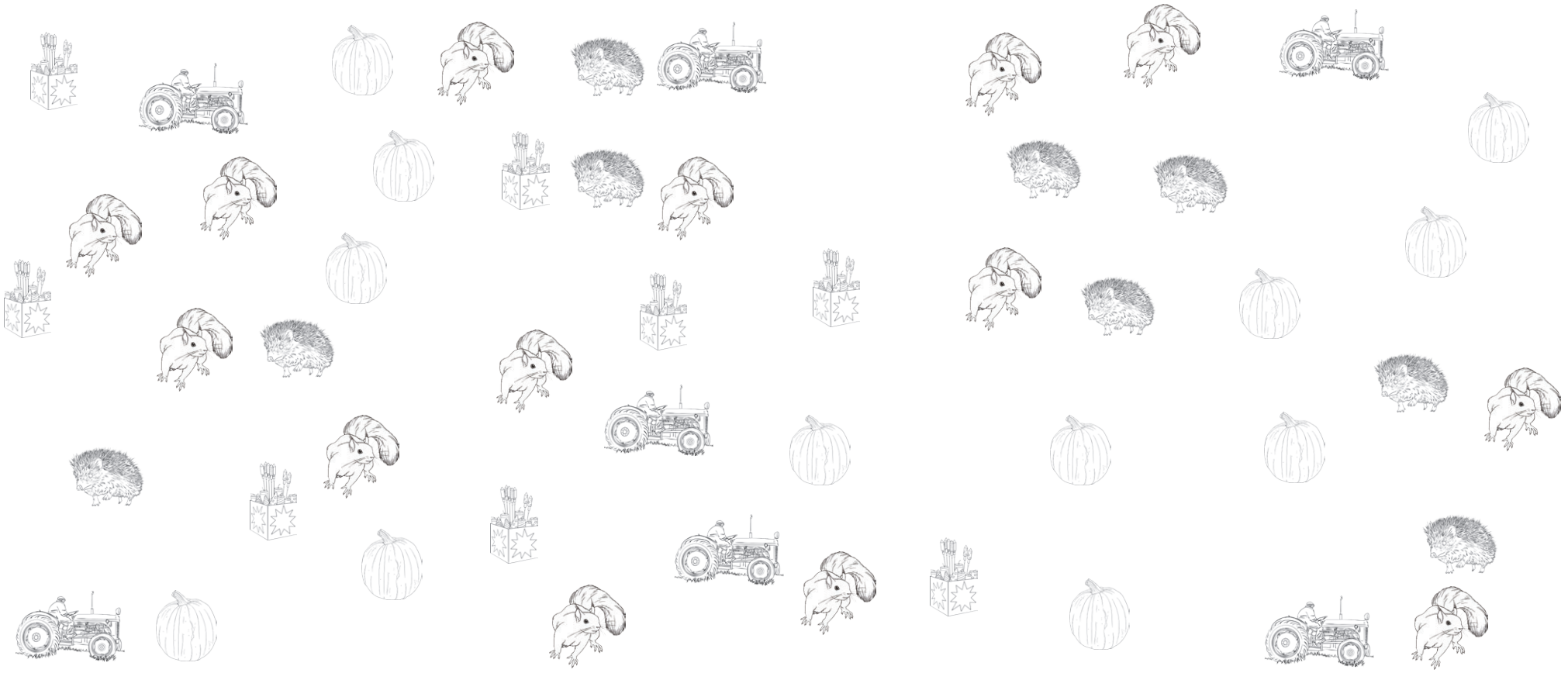
Clue 7 Answers

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.

$\frac{4}{7}$ **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

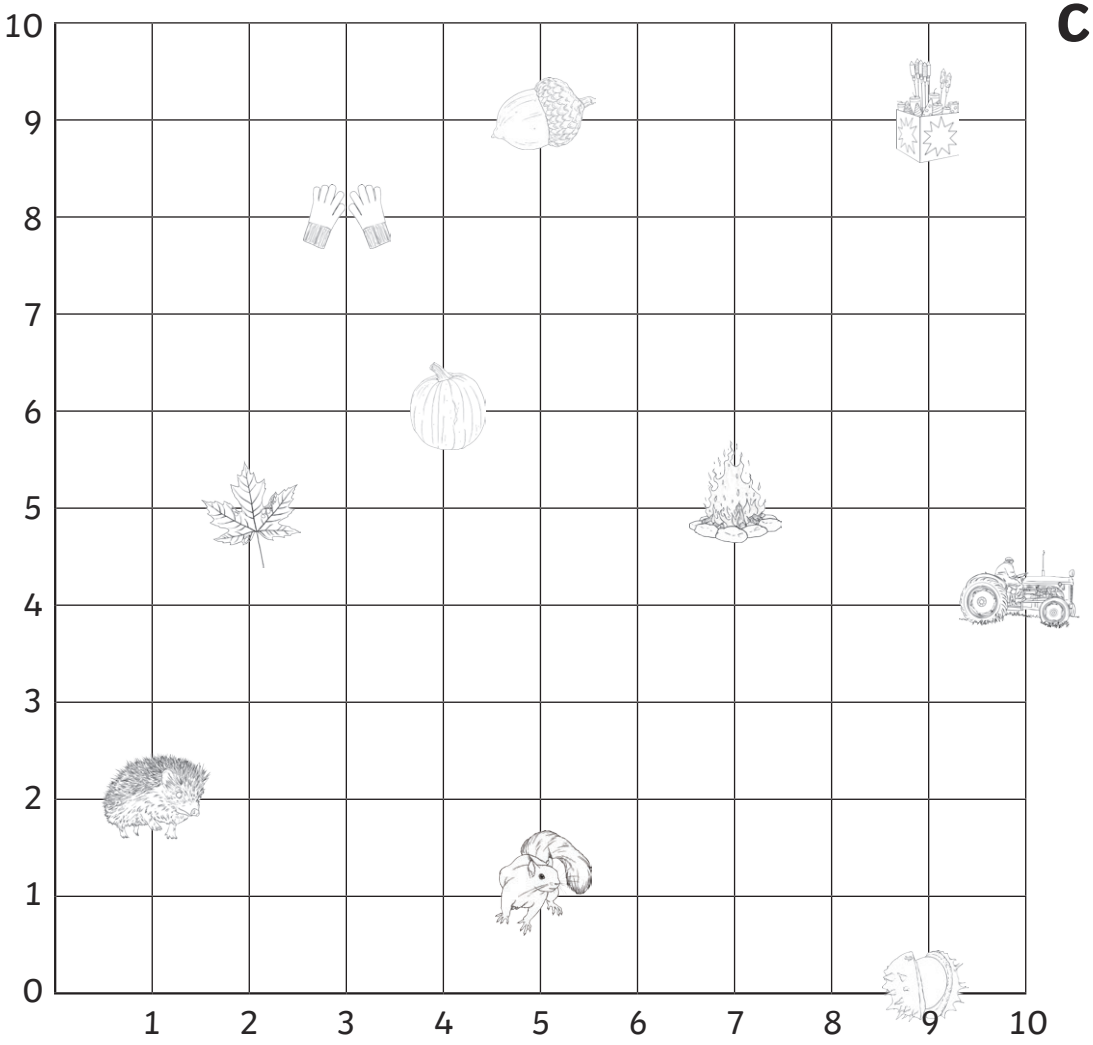
Lost in the Forest

Clue 9 Answers

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

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

7

Lost in the Forest

Clue 10 Answers

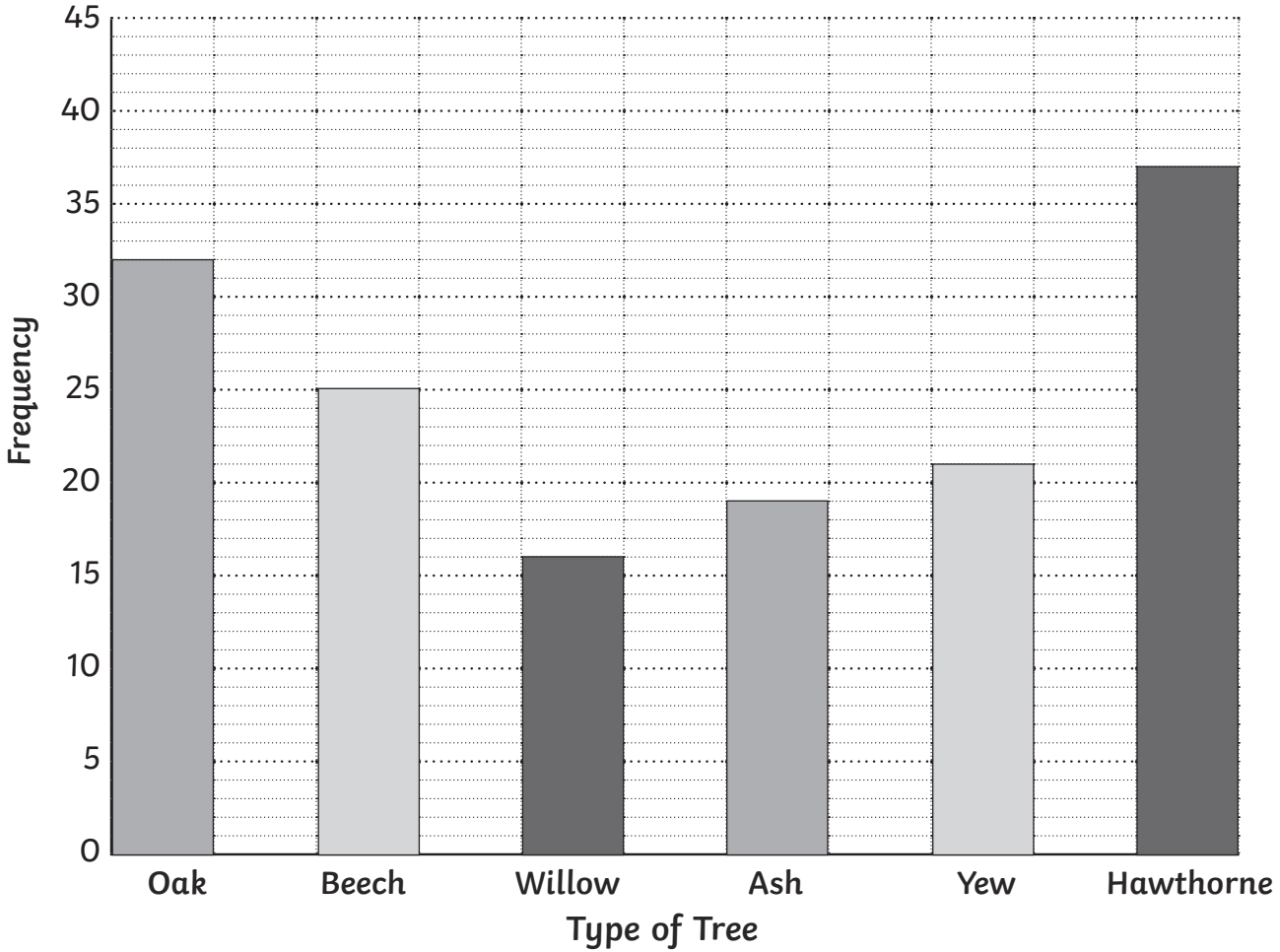
How many ash, beech and yew trees are there in the forest altogether?

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



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

2