Lost in the Forest

🌰	🍂	🎆	🎃	🦔	🧤	🔥	🌰	🐿️	🚜
2	4	8	6	1	0	5	9	3	7

Round this number to the nearest 10 000.

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

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

🌰	🍁	🎆	🎃	🦔	🧤	🔥	🌰	🐿️	🚜
2	4	8	6	1	0	5	9	3	7

Are these fraction comparison statements **true** or **false**?

$$\frac{\text{🔥}}{\text{🎆}} < \frac{\text{🌰}}{\text{🐿️}} \qquad \frac{\text{🍁}}{\text{🚜}} > \frac{\text{🐿️}}{\text{🔥}} \qquad \frac{\text{🐿️}}{\text{🍁}} < \frac{\text{🚜}}{\text{🌰}}$$

If there are more **true** statements, then the **second** digit needed to escape the forest is: **5**

If there are more **false** statements, then the **second** digit needed to escape the forest is: **9**

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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
180	210	240	270	280	330	360	420	440	480	490	540	560

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
630	660	720	770	810	840	880	960	990	1080	1210	1320	1440

Calculation	Answer	Letter
70 × 9		
11 × 60		
90 × 9		
7 × 40		

Calculation	Answer	Letter
[ ] ÷ 11 = 30		
40 × 11		
[ ] ÷ 7 = 30		
12 × 70		

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

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Solve the number puzzle by using inverse operations.

> **I divide the number of conkers in the forest by 15.**
>
> **I subtract 84,**
>
> **and divide by 9.**
>
> **I end with the number 4.**
>
> **How many conkers are there in the forest?**

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.

acorn	leaf	fireworks	pumpkin	hedgehog	gloves	fire	chestnut	squirrel	tractor
2	4	8	6	1	0	5	9	3	7

Calculate the answer to this addition calculation:

	pumpkin	fireworks	chestnut	gloves	fire	tractor
		squirrel	leaf	fireworks	tractor	chestnut
+		fireworks	pumpkin	acorn	hedgehog	

Find the difference between the hundred thousand digit and the hundred digit.

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🌰	🍂	🎆	🎃	🦔	🧤	🔥	🌰chestnut	🐿️	🚜
2	4	8	6	1	0	5	9	3	7

Calculate the answer to this subtraction calculation:

		tractor	fireworks	gloves	gloves	pumpkin	chestnut	hedgehog
−		chestnut	hedgehog	leaf	chestnut	tractor	pumpkin

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

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

How many boxes of fireworks are there? Find $\frac{8}{9}$ of this number.

Find the digit sum of this answer.

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

Lost in the Forest

During a blustery, autumn walk in the forest, Oscar collected between 150 to 200 acorns.

When counted in nines, there are five left over. When counted in eights, there are six left over.

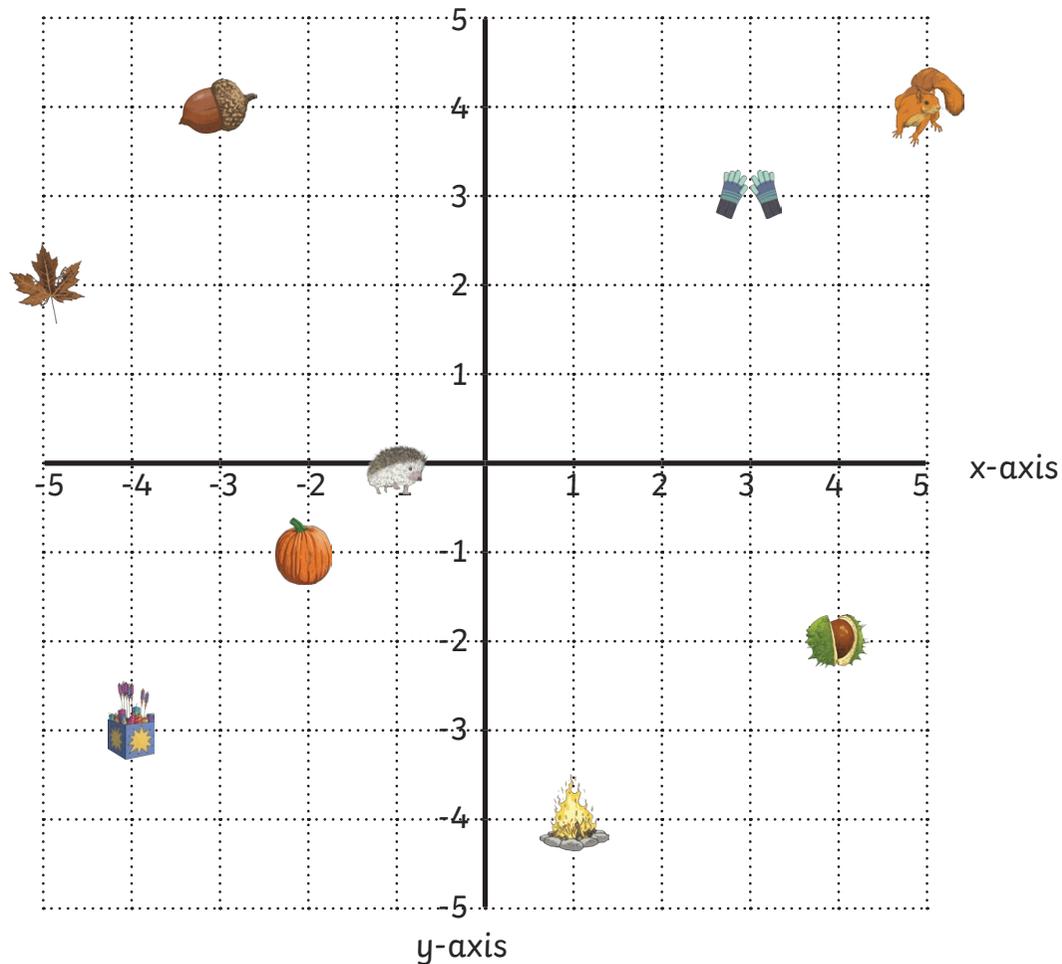How many acorns did Oscar collect?

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

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

Lost in the Forest

What are the coordinate positions of the conker, acorn and hedgehog?

Add together the second numbers (y-axis) of each coordinate answer.

x-axis

y-axis

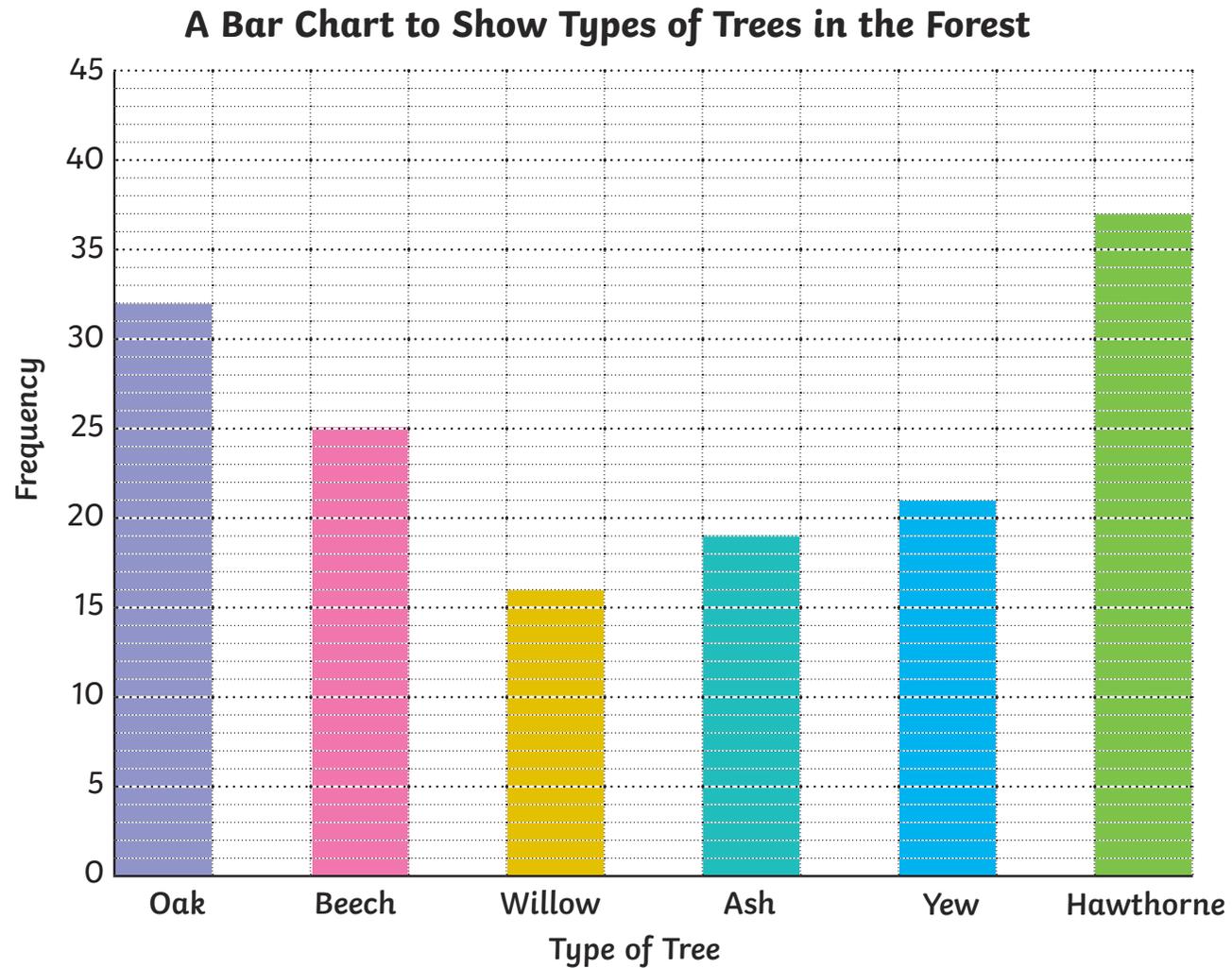This is the **ninth** digit of the number needed to unlock the phone and escape the forest.

Lost in the Forest

What fraction of the trees in the forest are beech?

Write the fraction in its simplest form.

A Bar Chart to Show Types of Trees in the Forest

The denominator of the answer will give you the **tenth** digit needed to unlock the phone and escape the forest.