

Escape the Lighthouse



twinkl

Escape the Lighthouse

You are on holiday with your family and have had a fabulous time on the beach. You notice there is a lighthouse and ask your mum if you can go and explore it. Mum agrees, so you and your sister dash on ahead.

“Race you up to the top!” you shout, as you and your sister Lucy hurtle up the spiral staircase.

After a while, you hear your Mum call up from below, “Come on you two, let’s head back to the beach.”

“OK,” you call back, “won’t be a minute.”

Suddenly, you hear a bang as the door at the bottom of the lighthouse slams shut! You rush down the stairs and realise there is no way to open the door. You are trapped! Luckily, you notice that there is a keypad beside the door which needs a code with six digits.

You must solve the clues hidden around to work out the code and escape the lighthouse. Good luck!



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The Rules

- You can work in small groups.
- When you find a clue, work together to solve the puzzle.
- Write your answer down on your answer sheet.
- Once you have discovered the number for the keypad, check it with your teacher to discover if you can escape the Lighthouse!



Escape the Lighthouse

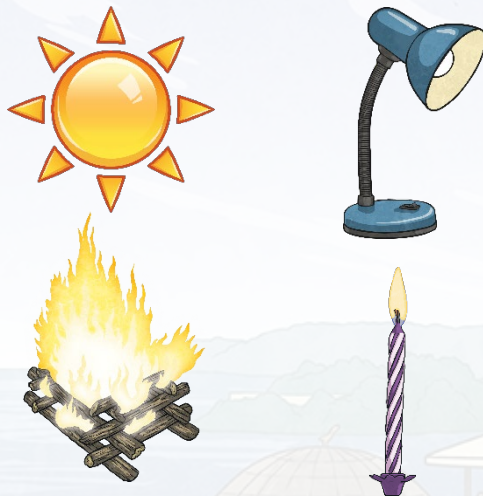
Answers to the Clues



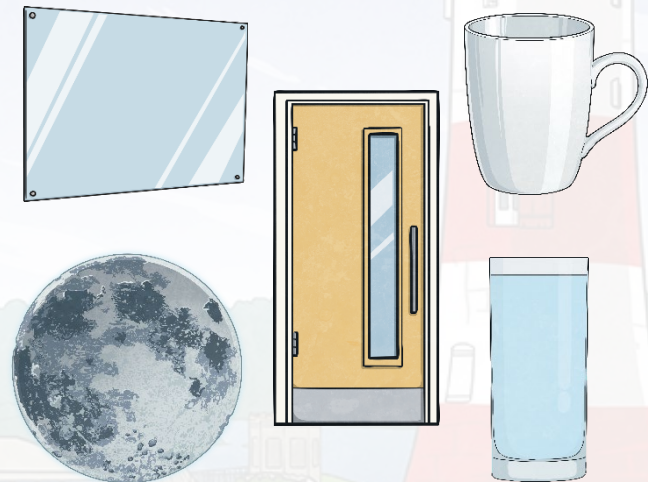
Escape the Lighthouse – Clue 1

How many sources of light are here?

Sources of light



Not sources of light



There are four sources of light so the first digit on the keypad is 4.



4

Escape the Lighthouse – Clue 2

If you looked directly at this, you would damage your eyes.

s	u	n
---	---	---

Mirrors _____ the light.

r	e	f	l	e	c	t
---	---	---	---	---	---	---

The pupil in your eye gets _____ in the dark.

l	a	r	g	e	r
---	---	---	---	---	---

An object that blocks the light is _____.

o	p	a	q	u	e
---	---	---	---	---	---

The letters in the shaded squares spell 'four'. The second digit on the keypad is 4.



4

Escape the Lighthouse – Clue 3

How many ways can we protect ourselves from the sun?

wear sunglasses	wear a pair of flippers	lie in the sun
cover our shoulders when we are outside	eat more bananas	stay indoors when the sun is at its hottest
wear a hat	sit in the shade	drink milk

There are five ways we can protect ourselves from the sun.
The third digit on the keypad is 5.



5

Escape the Lighthouse – Clue 4

Are these statements about objects and light, true or false?

	True	False
When light shines on a smooth surface, it is reflected.	✓	
An object that is translucent will let some light pass through it.	✓	
Light can go around corners.		✗
UV light is stronger at night time.		✗
You make a shadow bigger by moving the object further away from the light source.		✗

There are three statements that are false so the fourth digit on the keypad is 3.



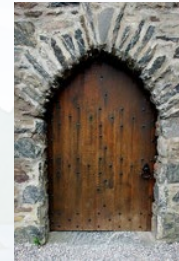
3

Escape the Lighthouse – Clue 5

Reflects the Light



Does Not Reflect the Light



There are four pictures showing light being reflected. The fifth digit on the keypad is 4.



4

Escape the Lighthouse – Clue 6

How many of these colours are not in the visible spectrum?

In the visible spectrum

- | | |
|----------|----------|
| ● red | ● indigo |
| ● orange | ● violet |
| ● yellow | |
| ● green | |
| ● blue | |

In the visible spectrum

- | | |
|-------------|----------|
| ● turquoise | ● purple |
| ○ white | ● coral |
| ● black | ● beige |
| ● taupe | ● lime |
| ● gold | |

There are nine colours not in the visible spectrum.
The last digit on the keypad is 9.



9

Escape the Lighthouse

Now you've solved all the clues, it's time to enter the code into the keypad and escape the lighthouse!

Digit 1	Digit 2	Digit 3	Digit 4	Digit 5	Digit 6
4	4	5	3	4	9





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