

# CardEd

## Challenge #7



YELLOW



nd

swim

\_\_\_\_\_

\_\_\_\_\_

play

61

3 4

1

9

2



## Letter Zone

How many words ending in -nd can you think of? (Hint: Place a vowel in front of -nd and think of rhyming words, e.g., and, stand. Now think of longer words, e.g., understand.)

What word, ending in -nd, means:

- to give an authoritative order?
- to say something in reply?
- to go up or climb?
- following or further back than?
- to pay back money to a customer who is not satisfied with goods bought?

Did you find -ound words? What word, ending in -ound, means:

- Having, showing, or requiring great insight or understanding?
- be all round (someone or something)?

## Letter Zone

How many words ending in -nd can you think of? (Hint: Place a vowel in front of -nd and think of rhyming words, e.g., and, stand. Now think of longer words, e.g., understand.)

What word, ending in -nd, means:

- to give an authoritative order? **command**
- to say something in reply? **respond**
- to go up or climb? **ascend**
- following or further back than? **behind**
- to pay back money to a customer who is not satisfied with goods bought? **refund**

Did you find -ound words? What word, ending in -ound, means:

- Having, showing, or requiring great insight or understanding? **profound**
- be all round (someone or something)? **surround**



## Symbol Zone

What symbol is shown on this card?



Investigate the heights of the world's top 5 tallest mountains. Create a sentence comparing the mountain heights using this symbol.

Which mountain will you need to begin with?

Now substitute the mountain names for their height in figures.

Other than metres, what measurement is often used when giving the height of a mountain?

## Symbol Zone

What symbol is shown on this card? **Greater than**



Investigate the heights of the world's top 5 tallest mountains. Create a sentence comparing the mountain heights using this symbol. **Mount Everest > K2 > Kanchenjunga > Lhotse > Makalu**

Which mountain will you need to begin with? **The tallest one**

Now substitute the mountain names for their height in figures.

**8,848 m > 8,611 m > 8,586 m > 8,516 m > 8,485 m**

Other than metres, what measurement is often used when giving the height of a mountain? **feet**

## Number Zone

What is 10 more and 10 less than 61?

Is 61 a prime or composite number?

A twin prime is a prime number that is either 2 less or 2 more than another prime number.

What is the twin prime of 61?

What is 61 more and less than 914?

If I am in a country beginning with W and I spend GBP £61, where am I?

On April 12th, 1961, Yuri Gagarin was the first person in space. How many years ago was that?

Find the difference between 61 and 61 written backwards.

## Number Zone

What is 10 more and 10 less than 61? **51/71**

Is 61 a prime or composite number? **Prime**

A twin prime is a prime number that is either 2 less or 2 more than another prime number.

What is the twin prime of 61? **59**

What is 61 more and less than 914? **975/853**

If I am in a country beginning with W and I spend GBP £61, where am I? **Wales**

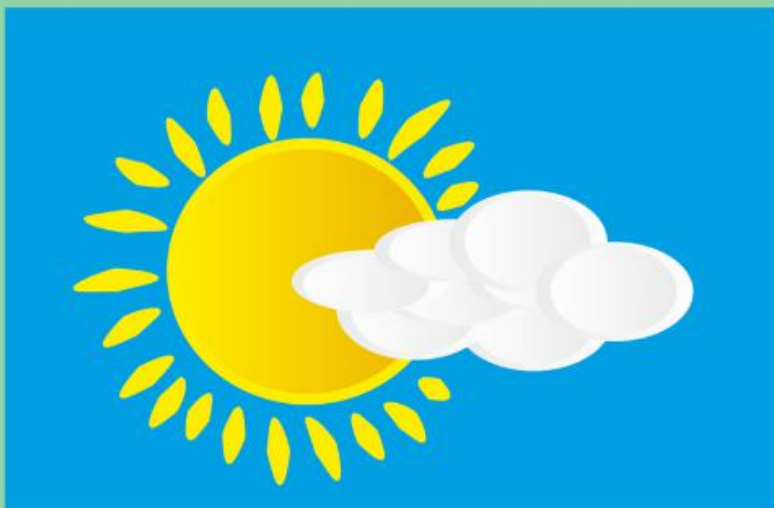
On April 12th, 1961, Yuri Gagarin was the first person in space. How many years ago was that?  
**59**

Find the difference between 61 and 61 written backwards. **45**



## Colour Zone

When we colour or paint, we often make the sun yellow. What colour do you think the sun is? Investigate if you are correct.



Look for some sunset silhouette pictures. Can you create one of your own?



## Colour Zone

When we colour or paint, we often make the sun yellow. What colour do you think the sun is? Investigate if you are correct.

It is a common misconception that the Sun is yellow, or orange or even red. However, the Sun is essentially all colors mixed together, which appear to our eyes as white. If you can find some pictures taken in space, you will be able to see this.

Look for some sunset silhouette pictures. Can you create one of your own?

Think about a good place to display your finished artwork.

## Mathematical/Image Zone

Can you solve the magic square?

Find the magic number and ensure each row and column adds up to it.

	3	4
1		9
		2

## Mathematical/Image Zone

Can you solve the magic square?

Find the magic number and ensure each row and column adds up to it.

8	3	4
1	5	9
6	7	2

## Word Zone

swim

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

play

Can you solve the word ladder?

Change one letter in swim to make a new word?

How many animals can you think of that can swim?

Change one letter in play to make a new word.

What is your favourite game to play and why?

Beginning with the word game, can you create a word ladder for someone to solve? Change one letter in game to create a new word each time. Present it to a friend with just the first and last word revealed.



## Word Zone

swim  
slim

slam

slay

play

Can you solve the word ladder?

Change one letter in swim to make a new word? E.g., swam, slim, swig

How many animals can you think of that can swim? E.g., dolphins, otters, seals, fish etc.

Change one letter in play to make a new word. E.g., plan, ploy, pray, slay

What is your favourite game to play and why?  
Discuss

Beginning with the word game, can you create a word ladder for someone to solve?  
game - gate - mate - mote - moth.

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