

Letter Sequences



What do you need to know?

A Letter Sequence is a series of letters that follow a rule.

In **Letter Sequence** questions, you will be given an incomplete sequence of letters. Your job is to work out the **missing letters** in the sequence. Before you do this, you'll need to find the rule that the letters in the sequence are following!

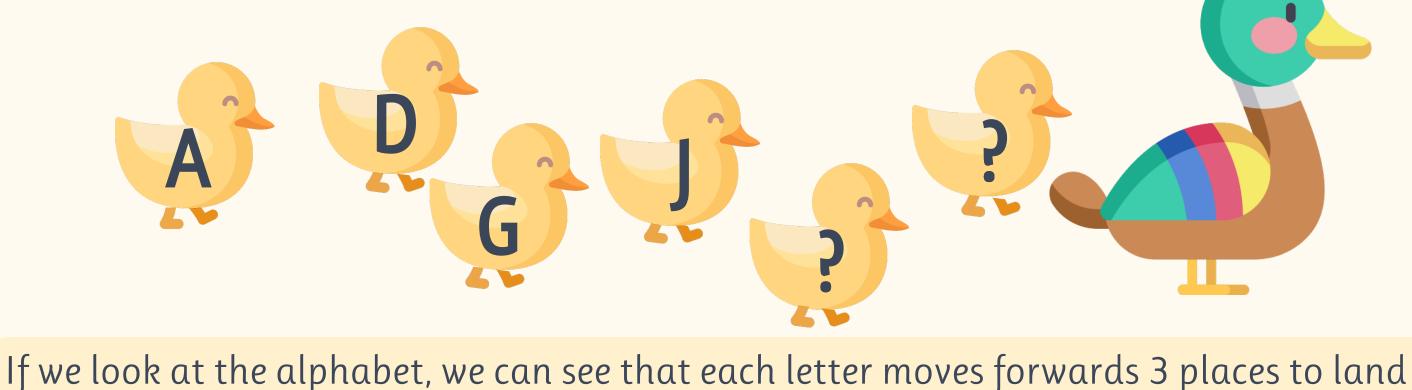
The letters in a sequence might move forwards or backwards along the alphabet!

ABCDEFGHIJKLMNOPQRSTUVWXYZ

Types of Questions:

1. Single Letter Sequence

In this letter sequence we have 'A', 'D', 'G', 'J' and two **missing letters**.



on the next letter in the sequence - this is our **rule**. +3



2. Sequence of Letter Pairs

You will also see sequences that contain pairs of letters. For example:

ON, OL, OJ, OH, __.

The letters within a pair are not linked. Instead, the first letters of each pair are linked by a rule and the **second letters** of each pair are linked by a different rule.

In this sequence, the first letter of each pair always stays the same. The second letter of each pair moves backwards along the alphabet 2 places.

ABCDEFGHIJKLMNOPQRSTUVWXYZ

The next letter pair in the sequence will be 'OF'!

There are some key skills that you will need for Letter Sequences questions:

Knowing the

alphabet

Pattern

Spotting

Key Skills:

Knowing your alphabet and being able to

count along it in

order.

Recognising

patterns in

groups of

letters.

\(\text{Learn the alphabet starting on any letter.} \) We usually start at 'A' but you can challenge yourself to start at 'F', for example.

Think of your own rule and then apply it

the new sequence!

to any letter of the alphabet. Write out

Let's see this in action!

We need to find the rule \rightarrow check the rule \rightarrow apply the rule to complete the sequence. Here we have an **incomplete** sequence of letter pairs: CF, EE, GD, IC, __, __

Which letter pairs will complete this sequence?

ABCDEFGHIJKLMNOPQRSTUVWXYZ

- We are going to **split** the sequence of letter pairs into two sequences of single letters: one for the first letters of each pair and one for the second letters.

CF, EE, GD, IC, __, __

Let's start by looking at the first letters of the pairs to find a rule that links them. We

- We check the rule: 'move forwards 2 places' also applies to the rest of the sequence:

'E' moves forwards 2 places to 'G', and 'G' moves forwards 2 places to 'I'. It works!

- This will help us focus on one rule at a time. The first and second letters of the pairs could follow different rules!

- Remember! The letters within a pair are not linked.

- We **find** the rule: 'F' moves backwards 1 place to 'E'.

place to 'B', and 'B' moves backwards 1 place to 'A'.

- have 'C', 'E', 'G', and 'I'. - We **find** the rule: 'C' moves forwards 2 places to 'E'.
- sequence, we can find the first letters of the two missing pairs: "I' moves forwards 2 places to 'K', and 'K' moves forwards 2 places to 'M'.

ABCDEFGHIJKLMNOPQRSTUVWXYZ

- We apply the rule: if we apply this rule to the first letter of the last given pair in the

We check the rule: 'move backwards 1 place' also applies to the rest of the sequence: 'E' moves backwards 1 place to 'D', and 'D' moves backwards 1 place to 'C'. It works! - We apply the rule: if we apply this rule to the second letter of the last given pair in the

sequence we can find the second letters of the two missing pairs: 'C' moves backwards 1

ABCDEFGHIJKLMNOPQRSTUVWXYZ

Now let's move onto the second letters of the pairs. We have 'F', 'E', 'D', and 'C'.

Therefore the two missing pairs are: 'KB' and 'MA': ĊF, ĚE, ĞD, İC, KB, MA ✓

Make sure you know the alphabet inside out and back to front!

Top tips!

- Remember that letters can move forwards and backwards along the alphabet.
- **Split** a sequence of letter pairs into **two sequences** of single letters! This will help you focus on each of the sequences one at a time.
- The square been given a clue, read it carefully so that you don't miss out on any key information.