

# Justifying answers about sequencing



## Warm Up

Take a look at the information in this table. Answer the questions on your show me boards.

Sport	Tally
Hockey	I
Soccer	
Basketball	
Gymnastics	

How many people play Basketball?

How many people play Hockey?

How many people play soccer?

How many people do gymnastics?

## I Do

**We Are Learning To:** Justify our answers when sequencing numbers.

**What I'm Looking For:** Identify the rule and being able to explain how you were able to solve the problem.

# What is a sequence?

**A sequence is a pattern.**

It can be a pattern of :

objects

music

letters

or numbers

**Here is a sequence of objects**



What animal would  
come next in this  
sequence?



**How do you know?**

We know because it is an alternating pattern. The pattern is Mouse, Lion then Frog

Solving the question is only half the answer. We need to be able to explain how we have been able to solve the problem.

**Let us try another one.**



0 2 4 6 8 10 12 14 16

What number is going to come next in this sequence?

How do you know?

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We Do

Can you complete these number sequences?

20	30	40	50	60	_____
8	10	12	14	16	_____
5	10	15	20	25	_____
80	70	60	50	40	_____

How do you know?

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Can you fill in the missing number in these sequences?

30	35	40	_____	50	55
2	4	_____	8	10	12
11	21	31	41	_____	61
8	18	28	38	48	_____

## How do you know?

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### You Do

Create your own number sequences:

Going **UP** in **10s**:

Going **UP** in **5s**:

Going **UP** in **2s**:

Challenge Question!

58, 67, 76, 85, ....., 103, 112, .....



## Plough Back

Remember when solving sequencing problems, we need to explain how we arrived at the answer.

**We were Learning To:** Justify our answers when sequencing numbers.

**What I'm Looking For:** Identify the rule and being able to explain how you were able to solve the problem.