

Monday 20th April

Home Learning

9-9.30 Brain wake and shake with Joe Wicks

P.E. WITH JOE

Thursday 2nd April



9.30-10.30 Maths

LO: I can write a formula
for the n th term.

term

common

difference

linear

pronumeral

sequence

rule

algebra

algebraic

unknown

expression

identity

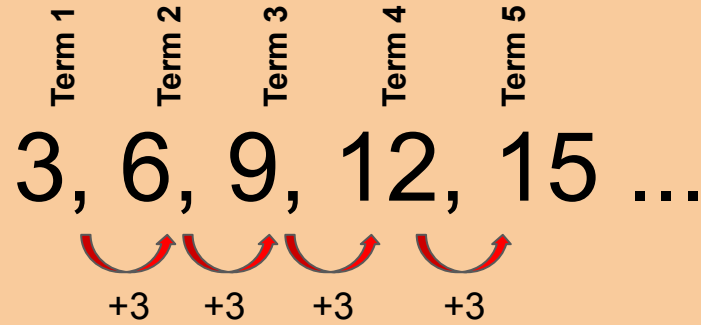
pattern

formula

Watch this video first

<https://www.bbc.com/bitesize/guides/z7j2pv4/video>

What is the rule for this linear sequence?



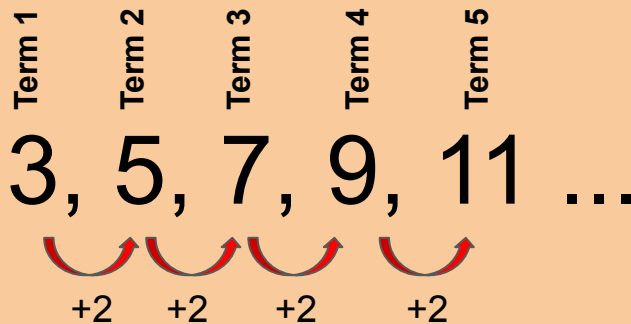
Term x 3

Try it out to see if it works!

What is the rule and algebraic expression for this linear sequence?

Wait! If it is related to the two times tables, then wouldn't the sequence be 2, 4, 6, 8, 10 ... ?

Yes! So what is missing from our expression?



Term x $2 + 1$

Try it out to see if it works!

Can you find the rule and algebraic expression for this linear sequence?

Term 1	Term 2	Term 3	Term 4	Term 5	
2	5	8	11	14	...

Check to see if this works!

term \times 3 - 1

Can you find the rule and algebraic expression for this linear sequence?

Term 1	Term 2	Term 3	Term 4	Term 5	
-1	4	9	14	19	...

Check to see if this works!

term \times 5 - 6

Can you find the rule and algebraic expression for this linear sequence?

12, 24, 36, 48, 60 ...

Check to see if this works!

term \times 12

The *term* has a special pronumeral that never changes. It is always represented as

n

Can you rewrite these algebraic expressions using the pronumeral **n**?

term x 3 - 1

n x 3 - 1

3n - 1

term x 5 - 6

n x 5 - 6

5n - 6

term x 12

n x 12

12n

Generalisation

We can find any term (n) in a sequence by writing a formula.

For example,

3, 5, 7, 9, 11...

This sequence has a common difference of 2 and is one more than the 2 times tables, so the formula is **$2n + 1$** .

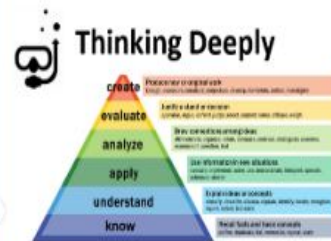
Know

Do the work on these slides and then hand in.

1. Write an expression to describe this sequence:
7, 11, 15, 19, 23 ...
2. What will the 12th term be?
3. The expression $4n+1$ can be used to generate the numbers in this sequence. Fill in the table below:

Term	Calculation	Value
1st	$4 \times 1 + 1$	5
5th		
10th		41
20th	$4 \times 20 + 1$	

What might a common misconception be when calculating the nth term?



Understand

Do the work on these slides and then hand in.

3, 8, 13, 18, 23

Which formula describes the sequence above?

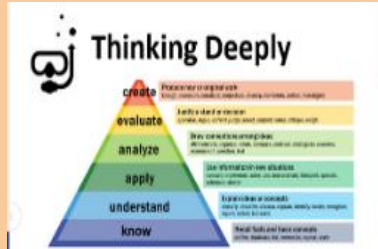
$$4n - 1$$

$$5n - 2$$

$$3n + 5$$

Explain your reasoning.

How would you teach the n th term to someone else?



Apply

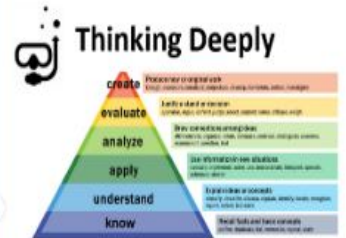
Do the work on these slides and then hand in.

The following linear sequence is missing numbers. Is it possible to write a formula for the n th term?

____, _____, 11, _____, 15 ...

Can you find the 16th term?

What other terms can you find? Are some easier than others?



Reflection

How have you deepened your understanding of linear sequences and the n th term today?

11-12.15 English

Monday Reading Comprehension

The Book of Secrets

By Philip Caveney

Chapter 1- The Quest

BOY RODE the black horse to the top of the sand dune and pulled her to a halt. He sat for a moment, gazing down across the vast stretch of desert that lay ahead of him – untold miles leading onwards for as far as the eye could see. The day was very nearly over, the sun close to setting in a tumble of blood-red clouds on the horizon, and Boy still hadn't found anywhere to make camp for the night.

He had ridden hard since first light, stopping only once to snatch a few scraps of food and a mouthful of water. He was well aware that his horse, Belle, was in need of rest, but he was eager to put as many miles behind him and his hometown as he could before the day was out. He was not yet far enough away from Serafin to believe that Master Titus might not come in pursuit. He feared that possibility more than anything else that might lurk in the vast, unknown desert that lay before him. Master Titus was not a man to be slighted easily and was sure to be plotting revenge. Boy realised he could not hope to ride for much longer. His main need was to find somewhere to spend the night if he didn't want Belle to collapse under him.

He was just on the point of giving up and admitting that the top of this dune was as good a place as any, when his keen, blue eyes picked up something in the middle distance – a thin plume of grey smoke rising into the darkening sky. Boy noticed a couple of dark smudges close to the source of the smoke. He stared intently, letting the shapes come into focus. Two men, he decided, and the bigger smudges a short distance behind them . . . horses? He couldn't be sure but the thought of possible company tempted him onwards. It was many days since he'd passed conversation with anyone. He clicked his heels gently into Belle's flanks and urged her on, over the crest of the dune and down the slope beyond. Belle whinnied in alarm as her front legs sank into the white sand and for an instant, she was in danger of tumbling over, but she managed to right herself and soon, she had reached the bottom of the slope and was toiling forward across more level ground.

As they rode, Boy thought back to the stables in Serafin, where he had lived and worked for the past six years. After the untimely death of his parents, when he was still a child, he'd found himself alone and thrown onto the tender mercies of the people who ruled Serafin. The town elders had quickly decided that he needed to earn his keep and he had been apprenticed to Master Titus, the town stable master, to be taught a useful trade. Titus was a hard man, who thought nothing of using his horsewhip on anyone who was too slow to follow orders. As a consequence, Boy's back was traced with the lines of old scars that paid testament to this.

Vocabulary- Carefully read the context the word is found in, you may use a dictionary to help you.

1. What does the word 'vast' mean?
2. What does the term 'pursuit' mean?
3. Find a synonym for the word 'lurk'.
4. What does the term 'slighted easily' mean?
5. Look at the final sentence from the extract, what does the term 'paid testament' mean?

Retrieval

1. What colour is Boy's horse?
2. At the start of the extract, where was Boy gazing down on?
3. What colour were the clouds?
4. Look at the third paragraph. What did Boy see in the distance?
5. Where had Boy lived and worked over the past six years?
6. Who was the town stable master?

Inference

1. What time of day is it, how do we know?
2. Why was Belle, the horse, in need of a rest?
3. Why would Boy be tempted by the company of the dark figures, although they are strangers to him?
4. Why was the horse alarmed by the white sand?
5. What impression do you get of Master Titus? Use evidence from the text to support your answer.
6. What impression do you get of Boy? Use evidence from the text to support your answer.

1.15 - 2.10 P.E

Choose from the list of Home PE Activities

AS

AS ACTIVE SURREY

Home Activities

AS Ideas

- Personal Best challenges. We have created a [crib sheet](#) of ideas for you to do at home. You can use these challenges or create your own.
- Surrey School Games cultural element. This year, we're celebrating the Tokyo 2020 Summer Olympics with two different competitions:-
 1. [KS1 \(Years 1&2\) - Design a flag](#)
 2. [KS2 \(Years 3-6\) - Write a poem or charter](#)

Get creative with your entries. Pretend you are one of the mascots and choose a sport to compete in and make your own races.

School Examples

- [Springfield](#)
- Staines Prep [KS1, KS2](#)
- [St Mary's Oxley](#)

Resources

- BBC [Supermovers](#)
- Change4Life [Accessible workouts](#)
- Change4Life [Wake Up Shake Up](#)
- [Cosmic Kids Yoga](#)
- Create Development - [real play at home](#)
- Get Set [Resources](#)
- Go Noodle YouTube Channel
- [imoves](#)
- [Joe Wicks workouts](#)
- [Jump Start Jonny](#)
- [Just Dance](#)
- Nike [Active Kids Do Better](#)
- [Premier Education](#)
- Premier League [Primary Stars](#)
- [Questr](#)
- Sports Leaders [Raising Resilience](#)
- [Succeedin and The PE Suite](#)
- Synergy Dance [tutorials](#)
- [TagtivR](#)
- This Girl Can - [Disney home workouts](#)
- [Youth Sport Trust](#)



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2:10-3:00 R.E

LO: To find out who Buddha was and why he is important to Buddhists today.

Buddhist Worship and Beliefs

Buddhism began 2500 years ago and is based on the teachings of Siddhartha Gautama, who later became known as 'Buddha' or 'Enlightened One'. Buddhism began in northeast India and today is one of the major religions of Asia, although there are followers of Buddhism all over the world.

Like most other world religions there are several different branches of Buddhism around the world and each branch has its own characteristics and forms of worship. Some of the main types of Buddhism include Tibetan, Theravada and Mahayana Buddhism.



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The story of Prince Siddhartha

In Nepal in the year 583 BC, King Suddhodana and his wife Maya had a baby boy whom they named Siddhartha Gautama. The baby was healthy and strong but Queen Maya died soon after he was born.

When Prince Siddhartha was a few days old, a holy man told his father that he would have a great future, either as a spiritual leader or a military hero. His father decided to raise him to be a military leader as this was the future he wanted for his son. He raised Siddhartha in luxury, never allowing him to leave the palace and making sure he never experienced pain or suffering. He grew up unaware that there was illness, suffering and death in the world.

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When he was 29 years old, Prince Siddhartha decided that he wanted to explore outside the palace walls. He asked a servant to take him out in chariot to see the countryside.

The sights that he saw shocked and disturbed him. He first saw an old man, then a dying man and finally a corpse. He realised for the first time that suffering and death are a reality of life. As they were driving back to the palace, the servant pointed out a holy man who looked peaceful and contented. The servant explained that he had renounced the suffering of life and had dedicated his life to finding a release from fear and death. Prince Siddhartha returned to the palace in a thoughtful mood and was very troubled by all he had seen on his first trip out of the palace.

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When he returned to the palace, he found that none of the luxuries he had enjoyed gave him any pleasure. All he could think of was the 4 men he had seen on his journey. He decided that he could no longer live the life of a prince and vowed to go out into the world to find out the truth about life. So he cut off his hair and exchanged his princely robes for beggar's clothes. He left the palace secretly that night, leaving behind his wife and his newborn son. He had started his quest for enlightenment.

Siddhartha began talking to holy men who taught him how to meditate and told him about their lives. Yet even though they taught him all that they knew, Siddhartha was still not satisfied.

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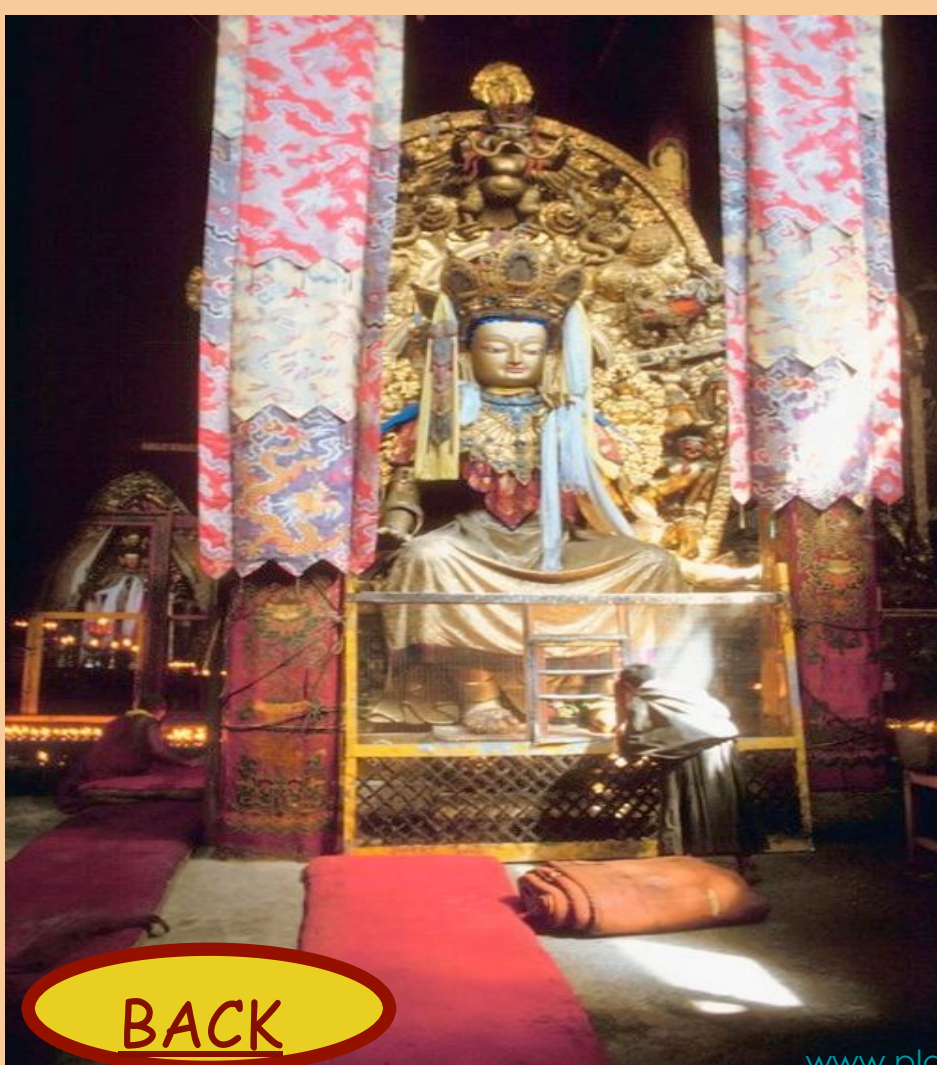
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He went off to find the Truth by himself and sat beneath a sacred fig tree. He meditated alone there and thought about all he had seen and experienced. He sat there for a long time when suddenly he found the Truth he had been looking for. He was enlightened and became a Buddha. From then on, the fig tree became known as the bodhi tree.

At first, the Buddha did not want to teach what he had learned as he knew that what he had discovered could not be explained in words. But soon he started to tell people how they could achieve enlightenment and find the Truth. Instead of teaching doctrines about enlightenment, he chose to prescribe the path people could follow to achieve enlightenment themselves. He taught until his death at the age of 80.

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Buddha is important to Buddhists today because he is the inspiration for finding enlightenment (known as nirvana) and the proof that there is an end to suffering.

Buddha's teachings are still followed and Buddhists believe that if they live as Buddha taught, they too will be able to reach nirvana and end the cycle of life, suffering and death.

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Read the story of Prince Siddhartha and answer the questions below.

1. How long ago was Prince Siddhartha born?
2. What were the two possible futures that the holy man predicted for the prince?
3. Why do you think King Suddhodana raised Siddhartha without allowing him to experience any suffering?
4. What were the four sights that Siddhartha saw on his first journey out of the palace?

5. How did Siddhartha feel about the sights he had seen?

6. Why do you think Siddhartha decided to leave behind his princely life?

7. How did Siddhartha achieve enlightenment?

8. Why was Buddha unsure at first whether he should teach what he had learned?

newsround

Watch today's news
here

What can I do if I am bored?

Here are a list of things you can do if you are bored:

-Ask an adult if you can help with any jobs around the house (your parents will appreciate any help).

-[Watch animals live at the zoo](#)

-[Times Tables Rockstars](#)

-[Learning games including hit the button, spooky spellings and daily 10](#)

-[Audio book - Mr Stink audio book by David Williams](#)

- [Digital art](#)

- Learn a life skill with an adult at home (E.g. gardening, washing up, cooking, ironing etc)