

Home Learning Pack

Year 6

Autumn Term Week 7



Home Learning Links

Oak National Academy

Oak National Academy is an online classroom and resource hub. It provides high-quality video lessons and resources to support teachers, parents and pupils.

www.thenational.academy

BBC Bitesize

With BBC Bitesize it is easy to keep learning at home. You can access regular daily lessons in English, maths and other core subjects.

https://www.bbc.co.uk/bitesize

Read Works.org

Read Works offers access to 3000+ comprehension for all age groups. Just sign up for a free account to access fantastic texts.

https://www.readworks.org/

Education Quizzes

A series of short quizzes for children to complete related to the National Curriculum subjects. Just select KS1 for Reception, Year 1 & Year 2 and select KS2 for Years 3-6.

https://www.educationquizzes.com/ks2/

Top Marks

A range of activities here but especially good interactive activities for maths.

https://www.topmarks.co.uk/

Classroom Secrets

The platform is aimed at primary aged children and covers subjects such as maths, reading, grammar and spelling. The platform is really child-friendly so that they're able to access it on their own. There are a load of games and interactive activities from phonics to SATs

https://kids.classroomsecrets.co.uk/

National Geographic

National Geographic is a great platform for learning and it's totally free. There are online games, resources and competitions, too.

https://www.natgeokids.com/uk/teacher-category/primary-resources/

Reading Eggspress

https://readingeggs.co.uk/

Top Marks

A website for great interactive maths games.

https://www.topmarks.co.uk/

Times Tables Rockstars

This is a great times tables game, practice all of the tables up to 12 x 12. Your child's username and password can be found in their Homework Book.

https://ttrockstars.com/

Monster SATs

On-screen and paper-based resources, including curriculum-based games for primary schools.

https://www.monstersats.co.uk/group-login-page/

White Rose Maths Hub

Daily 'home learning' lessons for Years 1-9. Every lesson comes with a short video showing you clearly and simply how to help your child complete the activity successfully.

https://whiterosemaths.com/homelearning/

Khan Academy

A great website for learning, with all activities and videos for every topic. A favourite of Mr Ellison. https://www.khanacademy.org

Codeclub

Fancy something a bit different. Try out the Code Club website for free tutorials and guides no creating code in a range of platforms.

https://projects.raspberrypi.org/en/codeclub

Duolingo

Fancy something a bit different. Try out the Code Club website for free tutorials and guides no creating code in a range of platforms.

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English

Date abomination austere

Abomination - a thing that causes disgust or loathing: concrete abominations masquerading as hotels.

austere - severe or strict in manner or attitude: he was an austere man, with a rigidly puritanical outlook.

Reading for pleasure and understanding

Vocabulary: Read each group of words. Choose the one word or phrase that does not belong with the others and cross it out. On the lines below the words, tell how the rest of the words are alike.

1.	undertaker	cabinetmaker	scavenger	groundskeeper
	These words are	alike because they all		
	1. scavenger-these	e words are alike because they a	II name occupations	
2.	angel	tomb	grave	crypt
	These words are	alike because they all		
	2. angel-these wo	ords are alike because they all n	ame places where peop	le are buried
3.	hinges	screws	nails	coffin
	These words are	alike because they all		
	3, coffin-these wor	ds are alike because they all na	me	
4.	fasteners dumplings	packets	sausages	beetroot
	These words are	alike because they all		
	4. packets-these v	vords are alike because they all	name foods	

Chapter 2: The New Friend

Recap what has happened so far.

Who are the characters we have met?

What are their voices?





'I am the master of this place!'

Questions:

- 1. What words are used to describe Bod's character?
- 2. The adults answers were often vague. What is meant by this?
- 3. Why is Bod confined to the graveyard?
- 4. What is unsual about the skills Silas says Bod will eventually learn?
- 5. How did Bod learn to read and write?
- 6. How did Bod compare to Scarlett?
- 7. How did Scarlett and Bod become friends? Why were Scarlett's parents convinced that Bod must be an imaginary playmate?

GPS

What is the name given to the punctuation in each of these words?	Add in the missing apostrophe.
won't children's	The pupils clothes were completely covered in mud.
Correctly punctuate the sentence.	Write the contracted form of the words below:
she walked deliberately towards them and hissed did you really think I'd let you get away with it	do not I am

Planning a gothic horror narrative

What Is a horror Story?

A horror story is a scary story written to frighten people.

Features:

- ·a spooky setting;
- detailed descriptions to create a scary atmosphere;
- ·a scared main character;
- short, snappy sentences for effect;
- •an ending with a spine-chilling twist.

Planning a gothic horror narrative

This week you will be planning your writing.

STEP ONE - You will need to consider where your story is set, the characters (+perspective), key events and how it ends (build ideas).

STEP TWO – You map out your plot points and story arc. You will gather a list of vocabulary and figurative devices (organise).

STEP THREE – You will look at checklists and set yourself targets and prepare for your writing next week. Draft a your 'hook.' (Finalise/Write)

Planning a gothic horror narrative

Where will your story be set?





Planning a gothic horror narrative

Setting	Characters Main character(s) Villain
Key events/problems	Ending

Maths

LO: To understand linear number sequences 18.10.21

5) 738,535 + 347,254

Answers

6) 1,876,304 + 4,640,033

8) 20,276,341 + 242,108

LO: To understand linear number sequences

18.10.21

10th term? 3, 6, 9, 12,	What is the formula? 2, 5, 11, 23	
Missing numbers?	Input?	
4, 2,,4	÷3 ÷3 output	



Patrick says the next term in this sequence (40, 33, 26, 19....) is 16 because it goes: Even – Odd –Even – Odd so it must be an even number.

In this sequence, the numbers increase by the same amount each time.

How can you figure out the steps and the missing numbers? What clues do you have? How many steps are between 24 and 36 in the sequence?

What is each step worth?
Count on, then back to check.
Write the complete sequence on your whiteboards to show me.

6, 12, 18, 24, 30, 36, 42, 48, 54, 60



I Year

Day 1: Generate and describe linear number sequences.

Find the missing numbers...
Is the sequence increasing or decreasing?
What is each step worth?
Count on, then back to check.
Write the complete sequence.

2, 9, 16, 23, 30, 37, 44, 51, 58, 65



Ve

Is the sequence increasing or decreasing?

In pairs, find the missing numbers.
What is each step worth? Count along the sequence to check.
Write the complete sequence on your whiteboards to show me.
Describe the sequence.



New Year

Day 1: Generate and describe linear number sequences.

In pairs, find the missing numbers.
What is each step worth? Count along the sequence to check.
Write the complete sequence on your whiteboards to show me.
Describe the sequence.



Year fi

Complete the sequence

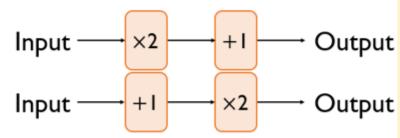
Sheet 1

Work out the step increase or decrease in each sequence. Then write in the missing numbers.

- 1. 7. __. 17. __. __. 37. __
- 2. 7. __. 21, __. __. 49, ___
- 3. 72, __, __, 40, __, 16
- 4. 99, ___, ___, 55, ___, ___, 22
- 5. 3, __, 17, __, __, 38, __, __
- 6. 50, ___, ___, ___, 30, ___, 22
- 7. 20, ___, 10, ___, 0, -5, ___, -15, ___
- 8. -8. ___, ___, 4. ___, ___, 20
- 9. 1, __, 1.4, __, __, 2, __, 2.4
- 10. 10, ___, 9, ___, 7.5, ___, __
- 11. 1.1, ___, ___, 4.4, ___, ___, 7.7, ___
- 12. $\frac{1}{2}$, ___, 1, ___, 1 $\frac{3}{4}$, ___, __

Problem Solving

Amir inputs n into these function machines.



He says the outputs of the machines will be the same.

Do you agree?

Explain your answer.

Answers

Day 1 Complete the sequence Sheet 1

- 1. 7, 12, 17, 22, 27, 32, 37, 42
- 2. 7, 14, 21, 28, 35, 42, 49, 56
- 3. 72, 64, 56, 48, 40, 32, 24, 16
- 4. 99, 88, 77, 66, 55, 44, 33, 22
- 5. 3, 10, 17, 24, 31, 38, 45, 52
- 6. 50, 46, 42, 38, 34, 30, 26, 22
- 7. 20, 15, 10, 5, 0, -5, -10, -15, -20
- 8. -8, -4, 0, 4, 8, 12, 16, 20
- 9. 1, 1.2, 1.4, 1.6, 1.8, 2, 2.2, 2.4
- 10, 10, 9.5, 9, 8.5, 8, 7,5, 7, 6.5
- 11. 1.1, 2.2, 3.3, 4.4, 5.5, 6.6, 7.7, 8.8
- 12. $\frac{1}{2}$, $\frac{3}{4}$, 1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 1 $\frac{3}{4}$, 2, 2 $\frac{1}{4}$



hamilton-trust.org.uk

Tuesday

<u>Date</u>

besmeared decrepit

besmeared - smear or cover with a greasy or sticky substance: a shirt hideously besmeared with the blood of the victim.

decrepit - worn out or ruined because of age or neglect: a row of decrepit houses.

Reading for pleasure and understanding

5.	unflappable	dependable	visible	sensible
	These words are alike b	ecause they all		
6.	marrow	sinew	cartilage	eyebrow
	These words are alike b	ecause they all		
7.	repulsion	delight	loathing	disgust
	These words are alike b	ecause they all		
8.	Orion the Hunter	Taurus the Bull	Golden Gate	Milky Way
	These phrases are alike	because they all		

Chapter 2: The New Friend

Recap what has happened so far.

Imagine that you are Bod. How would you explain the Freedom of the Graveyard to Scarlett?



'I am the master of this place!'

Questions (continue from yesterday):

- 1. What metaphor is used to describe Scarlett, why has the author used this to describe her?
- 2.Why wasn't Scarlett scared of the other inhabitants of the graveyard?
- 3. Who is the oldest person in the graveyard?
- 4. How does the other use dialogue to show the children's age?
- 5. Who did the Romans not conquer and wall off instead?
- 6. Why is Caius worried about what is under the hill?

GPS

Explain why a hyphen is needed in this word:	Write each word that should begin with a capital letter.
re-sign	on friday, angela took us on a trip to london.
Add in a pair of commas for parenthesis.	Add the missing dash into this sentence.
My sister who is rather irritating drew a moustache on my face while I was sleeping.	I heard Daria scream she had seen a ginormous spider.

Planning a gothic horror narrative

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Story arc	Plot point	Vocabulary	Figurative language ideas
1 Hook/setting/ character	Two friends break into a graveyard; being chased.		
2 Build up	Hide behind tombstone. Stranger appears.		
3 Problem	Stranger talks in riddles. Boys will be trapped if they answer incorrect. (+Dialogue)		
4 Resolution	Someone offers them help. Leads them away.		
5 Ending	Twist		

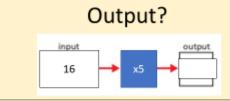
LO: To generate linear number sequences

19.10.21

$$1)6,130,100 + 7,953,669$$

Answers

LO: To generate linear number sequences 19.10.21



100th term? 4, 8, 12, 16....

What is the formula? 10, 14, 18, 22....

Missing numbers?, 6,, 18, 24



Spongebob says that 'n' is always a mystery and he can never work it out.

- What is the next 'term' in this sequence?
- What is the 10th term?
- And the 100th? How did you work it out? You did not have time to count on in 2s to 200!

We can double 10 to find the 10th term or double 100 to find the 100th term.

· So how can we find the nth term?

The nth term is 2n: double the number of the term.



4

Day 2: Generate and describe linear number sequences.

3, 6, 9, 12 ...

- What is the next term in this sequence?
- · What is the 10th term?
- And the 100th? How did you work it out?

We can multiply 10 by 3 to find the 10th term and multiply 100 by 3 to find the 100th term.

· So how can we find the nth term?

The nth term is 3n: three times the number of the term.



15

Year f



• Talk to your partner about what the 10th term might be, this is a little more difficult.

It is 1 more than the 10th term in the last sequence, i.e. 31.

What do you think 100th term will be?

3 x 100, + 1, i.e. 301



Talk to your partner about how you could find any term in this sequence.

We can multiply the number of the term by 3 and then add 1.

How can we write this using n?

3n + 1 This is a short way of recording how to find any term.



Day 2: Generate and describe linear number sequences.



Talk to your partner about what the 10th term might be.

It is 1 more than the 10th term in the sequence of multiples of 4, i.e.. 41.

What do you think 100th term will be?

4 x 100, + 1, i.e. 401



Talk to your partner about how you could find any term in this sequence.

We can multiply the number of the term by 4 and then add 1.

How can we write this using n?

4n + 1 This is a short way of recording how to find any term.



Sequences

Sheet 1

Work with your partner to find the 10th, 100th, then the nth term for each sequence.

- 1. 4, 8, 12, 16, 20...
- 2. 5, 9, 13, 17, 21...
- 5, 10, 15, 20, 25... 3.
- 4. 4, 9, 14, 19, 24...
- 5. 6, 11, 16, 21, 26...
- 6. 10, 20, 30, 40, 50...
- 7. 12, 22, 32, 42, 52...
- 8. 8, 18, 28, 38, 48...

Problem Solving

Here are two formulae.

$$p = 2a + 5$$
$$c = 10 - p$$

$$c = 10 - p$$

Find the value of c when a = 10

LO: To describe linear number sequences

20.10.21

8) 20,036 + 82,062

<u>Answers</u>

- 5) 101,251
- 6) 1,577,494
- 7) 12,432,788
- 8) 102,098

Wednesday

Date

disembodied putrid

disembodied - separated from or existing without the body: a disembodied ghost.

putrid - of or characteristic of rotting matter: the putrid smells from the slaughterhouses.

To analyse an author's use of dialogue

Vocabulary: Many words in English have more than one meaning. Look at the words and the definitions that follow. Then using context clues, write the letter of the definition that best fits the underlined word in each sentence below.

1.	ivory	a. b.	smooth, hard, white substance that forms the tusks of elephants creamy white color $% \left\{ 1,2,\ldots ,n\right\}$		
2.	plain	a. b.	area of level or nearly level land clearly seen or heard; distinct		
3.	trunk	a. b.	large box with a hinged lid used for storing things main stem of a tree		She wore an <u>ivory</u> blouse made The tall mountain rose abrupt
4.	crook	a. b.	bent or curved part untrustworthy person; thief		The monkey scampered up the The bird built its nest in the c
5.	grave	a.	hole dug for the burial of a body		The lawyer, wearing a grave ex My sister hung a colorful print
6.	print	b. a.	earnest and dignified picture or design made from a block or plate	7.	A scout is supposed to do at lea
7.	turn	b. a.	write using letters like those made from type become spoiled or rancid	8.	Downed trees often block the r
8.	block	b. a.	act or deed stop movement through something		
		b.	solid piece of wood or stone		

Literary Device: Metaphor

What is being compared in the following passage:

The parent would sit on the bench and read while Scarlett would wander off the path, a splash of fluorescent green or orange or pink, and explore.

How does this metaphor help you visualize Scarlett?

Bod is described as dowdy and drab in his grey winding sheet and his mop of mousy brown hair. Write a metaphor in which you describe Bod's appearance.

Chapter 2: The New Friend

Recap what has happened so far.



'I am the master of this place!'

Questions (continue from yesterday):

- 1. In the first paragraph, How has the author used parentheses and why?
- 2. What is a barrow?
- 3. What can Bod to the Scarlett cannot?
- 4. What figurative language is used to describe the 'perfect spring day'?
- 5. How did Bod reassure Scarlett?
- 6. What type of character do they find—what era might they be from?
- 7. How does the author build tension in this chapter? Give some examples.

GPS

What is the name given to the punctuation indicated?	What punctuation is missing from the end of this sentence?
Yesterday, we made our own pizzas; mine was delicious!	How did you get up there
What punctuation is missing from the end of this sentence?	How many commas are missing from this sentence?
How did you get up there	Last week I saw three sheep two cows and a pigeon on my way home from school.

Planning a gothic horror narrative

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STEP THREE – You will look at checklists and set yourself targets and prepare for your writing next week. Draft a your 'hook.' (Finalise/Write)

Story arc	Plot point	Vocabulary	Figurative language ideas
1 Hook/setting/ character	Two friends break into a graveyard; being chased.	malevolent, contempt, spectre, begrimed, sequester,	
2 Build up	Hide behind tombstone. Stranger appears.	abomination austere besmeared decrepit disembodied	
3 Problem	Stranger talks in riddles. Boys will be trapped if they answer incorrect. (+Dialogue)	abomination, austere, besmeared, decrepit, disembodied, malevolent, contempt, spectre, begrimed, sequester,	
4 Resolution	Someone offers them help. Leads them away.	irascible, malignant, discordant, incongruous, disquieting, epit aph	
5 Ending	Twist	putrid ethereal gaunt lacerate haggard	

LO: To describe linear number sequences

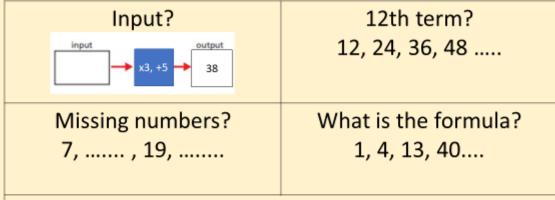
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Answers

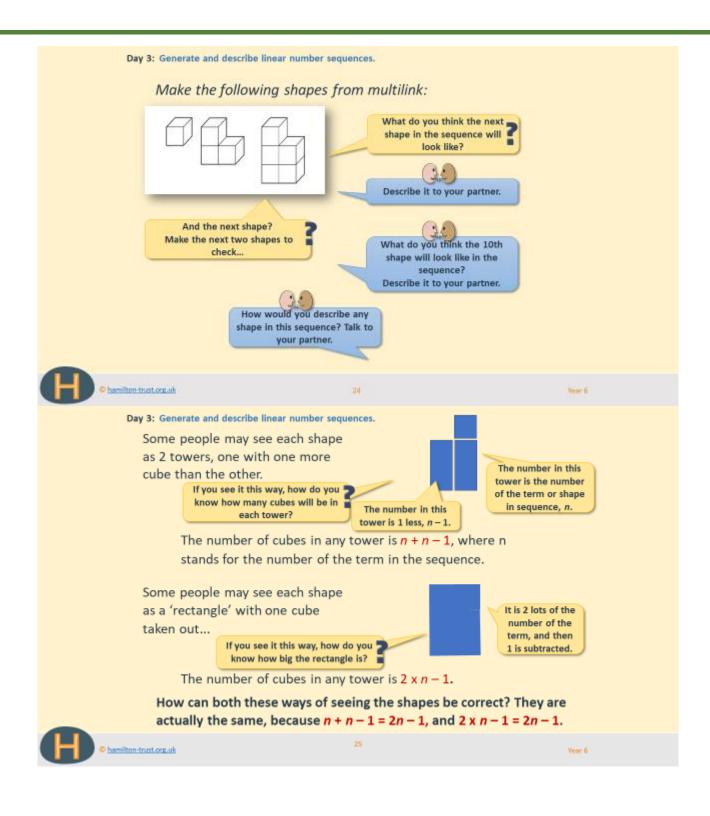
$$6)$$
 981,250 + 596,244

LO: To describe linear number sequences

20.10.21

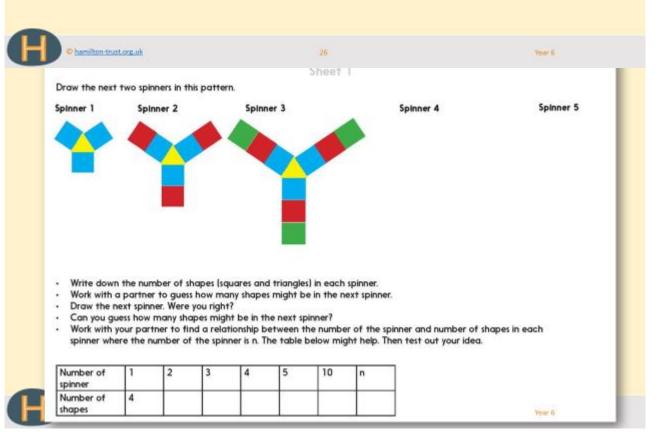


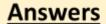
Sandy worked out that her sequence is multiply by 2 and then add 3. But she can't work out what the general formula is. 2, 7, 17, 37.

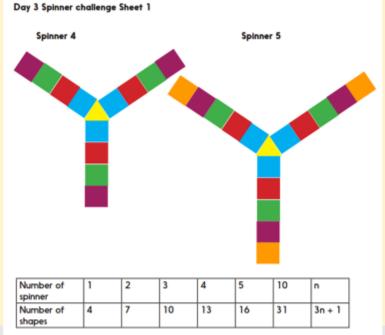


So let's use our general expression and check.

- If n is 10, 2 lots of 10 is 20, and then subtract 1 leaves 19, and this is what we said.
- So how many will be in the 100th shape? 2 x 100 1 = 199
- What will it look like? A tower of 100, and a tower of 99.
- How many in the 1000th shape?
 2 x 1000 1 = 1999
- · What will it look like?
- And the millionth?
- Once we have a general expression, we can work out how many cubes will be in any shape in the sequence, without working out all those before it!









Problem Solving

Jack and Dora are using the following formula to work out what they should charge for four hours of cleaning.

Cost in pounds =
$$20 + 10 \times \text{number of hours}$$

Jack thinks they should charge £60 Dora thinks they should charge £120

Who do you agree with? Why?

Thursday

ethereal gaunt

ethereal - extremely delicate and light in a way that seems not to be of this world: her ethereal beauty.

gaunt – (of a person) lean and haggard, especially because of suffering, hunger, or age: a tall, gaunt woman in black.

Examining an author's vocabulary choices.

Vocabulary: Choose a word from the Word Box to replace the underlined word or phrase in each sentence below with a more descriptive word that has a similar meaning. Write the word you choose on the line below the sentence.

	WORD BOX					
awe	embrace	mingle	ornate			
buff	gazing	municipal	prohibition			

- 1. We were filled with wonder at the fury of the ocean during a storm.
- 2. Use this soft cloth to shine your shoes after the polish dries.
- 3. Before leaving for school, Ann bent down to give her cat a quick hug.

Chapter 2: The New Friend

Recap what has happened so far.



'I am the master of this place!'

Questions (continue from yesterday):

Find these words as you read. Pause at each one, read around the word and discuss its meaning – check the meaning on an iPad or laptop.

1.proconsul	6. flagstone
2. scandalized	7. wistful
3. decreed	8.amphitheatre
4. ballad	9. Democracy
5. dubiously	10. north-western

GPS

Add the missing hyphen into this sentence. The ragged wolf looked up at the blood red sky and began to howl mournfully.	Add inverted commas to the correct place in this sentence. After counting to ten, Sybil shouted, Ready or not, here I come!
Circle the correct colon in this sentence. You will need: 35g of butter 35g of sugar: and: 35g of flour.	Rewrite this question as an appropriate command. Why haven't you put your coat on yet?

Continue with gothic horror narrative

21.10.21

LO: To investigate linear sequences

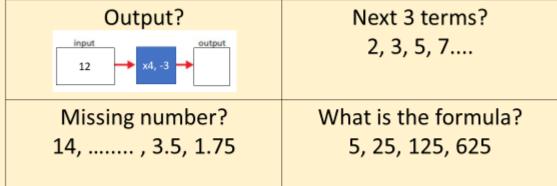
1) 578,748- 284,073

Answers

- 2) 676,425 328,229
- 3) 807,725 394,804
- 4) 700, 249 600, 682

LO: To investigate linear sequences

21.10.21





Squidward says he can only work out the 10th term by working out every term up to that point. Can you help him?

Sticky Triangles

I was exploring a puzzle in which headless match sticks had to be moved to make a different number of triangles.

I made one small triangle

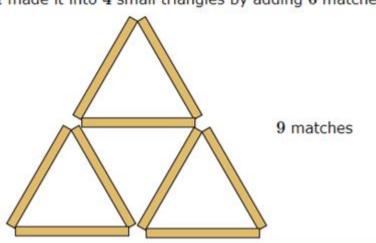


3 matches



Sticky Triangles

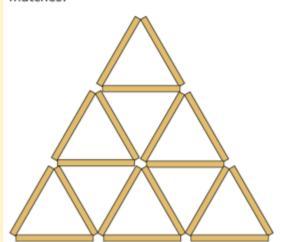
I made it into 4 small triangles by adding 6 matches.





Sticky Triangles

I added another row and counted the number of small triangles and counted the matches.



How many matches?



Investigation

I made a table of my results and continued adding rows. I found many patterns.

Have a go and see what patterns you can find. You do not have to use match sticks (or cocktail sticks) - drawing lines will do just as well.

Find a good way to record your results. See if you can predict the numbers for rows of triangles you have not drawn.

Term	1	2	3	4	5	6	7	8
Number of sticks								
Number of Triangles								



Problem Solving

The rule for making scones is use 4 times as much flour (f) as butter (b).

Which is the correct formula to represent this?

$$f = \frac{b}{4}$$

$$f = 4b$$

$$f = b + 4$$

$$4f = b$$

Explain why the others are incorrect.

Answers

Term	1	2	3	4	5	6	7	8
Number of sticks	3	9	18	30	45	63	84	108
Number of Triangles	1	4	9	16	25	36	49	64

Formula Triangles = N²

Formula for sticks is to add the next power of 3.

$$(0+3=3, 3+6=9, 9+9=18 \text{ etc...})$$



<u>Science</u>

Which materials are reflective?

In this lesson, we will be learning about reflective and non-reflective materials. We will investigate which objects are made from reflective materials and which objects are made from non-reflective materials.

https://classroom.thenational.academy/lessons/what-is-the-difference-between-night-and-day-60wp2c

Computing

https://codeclub.org/en/python3

RE

How do Jews express their faith today?

In this lesson we will learn more about the different ways that Jews express their faith today. There is no 'one way' to be as a Jew, but we will hear from Charlie and Adam, who are both practising Jews, to learn more about their daily life and how their faith impacts on what they believe and what they do.

https://classroom.thenational.academy/lessons/ how-do-jews-express-their-faith-today-60u6at

Geography

Reading distances on a map

In this lesson we will further develop our map skills by learning how to measure and calculate real-life distances on OS maps using scale.

https://teachers.thenational.academy/lessons/reading-distances-on-a-map-6ngp6e

History

Changing labour laws

In this lesson, we will learn about the ways in which governments tried to improve working conditions during the nineteenth century.

https://classroom.thenational.academy/lessons/ changing-labour-laws-c4upce

PDW

Community Care

In today's lesson, you will understand what a community is, explore the different types of communities (place, interest, action and practice) and consider the benefits of being a part of one.

https://classroom.thenational.academy/lessons/ community-care-cctp8c

<u>Art</u>

What are textiles?

In this lesson we will learn about textiles. We will focus on the different ways we use them around our homes and how they are constructed. We will examine how they are embellished and decorated. We will use a sketchbook to record our ideas and what we have learnt.

https://classroom.thenational.academy/lessons/ what-are-textiles-c5k34e

