

Maths

**Challenge 1: Angles and missing angles**

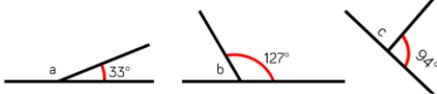
Complete these sentences:

There are \_\_\_\_\_ degrees in a right angle.

There are \_\_\_\_\_ right angles on a straight line.

There are \_\_\_\_\_ degrees on a straight line.

Now that you know a straight line is \_\_\_\_\_ degrees, can you calculate the missing angles on straight lines?



Jack is measuring two angles on a straight line.

My angles measure 73° and 108°

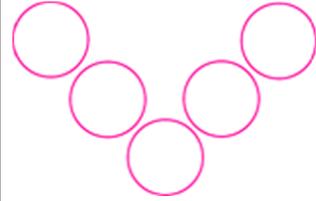


Explain why at least one of Jack's angles must be wrong.

**Challenge 2 Puzzles and problems**

Ash, Si, Sami and Mani are playing a game. Each of them writes down a statement that describes a set of numbers.  
 Ash writes "Multiples of five".  
 Si writes "Triangular numbers".  
 Sami writes "Even, but not multiples of four".  
 Mani writes "Multiples of three but not multiples of nine".  
 Can you find some two-digit numbers that belong in two of the sets?  
 Can you find some two-digit numbers that belong in three sets?  
 What is the smallest number that belongs in all four sets?

**Challenge 3 – Magic V**



How many different possibilities are there? What do you notice about all the solutions you find? Can you explain what you see? Can you convince someone that you have all the solutions?

What happens if we use the numbers from 2 to 6? From 12 to 16? From 37 to 41? From 103 to 107? What can you discover about a V that has arms of length 4 using the numbers 1–7?

Writing



Using the picture (left) and the story starter (below), create an atmospheric story with lots of suspense and danger. Try to access all of the reader's senses through your writing and your challenge is to use: 3 types of subordinating clauses, short sentences for effect and a variety of linking adverbs.

*Emerging dazed and confused from the crypt, Jo headed for the Moon's ominous light.*

**Poetry corner**

Read and listen to the poem, 'When the teacher's back is turned.'

<https://www.poetry4kids.com/poems/when-the-teacher-isnt-looking/>

**Challenge:** Can you write your own amusing poem about what you would do when the teacher's back is turned. Try to use the rhythm and rhyming pattern of the original poem.

Spelling

Nouns and adjectives can be converted into verbs by using the suffixes **-ate, -ise, -ify and -en**. Can you change the nouns below into verbs by adding one of the suffixes above (one has been done for you):

- deep – deepen
- pollen
- note
- apology
- pure
- straight
- advert
- germ
- standard

**Challenge:** Can you write them into sentences using the original noun and the new verb?

Reading



**Unusual place for a football pitch?**

- What do you think of this setting?
  - Is this a good place to play football? Why/why not?
  - What are the pros? Cons?
  - Which half/side do you think has the advantage?
  - If you were playing here, how would you adapt to this pitch?
- Why do you think this pitch was built here?

**Proverb challenge:**

'People in glass houses shouldn't throw stones.'

What does this mean to you? Remember, proverbs are never literal – it doesn't just mean don't throw stones near glass.

Now, ask your parents / carers for other proverbs, write them down and try to explain what they mean.

Flashback

Remember the amazing spitfires we drew during our vehicle on 'Evacuees'? Could you create a 3D model of a spitfire using a variety of recycling products at your house? There is also a link on the David Walliams website on how to create one

[https://s22428.pcdn.co/wp-content/uploads/2018/12/WODW\\_Activity\\_Grandpas-Great-Escape.pdf](https://s22428.pcdn.co/wp-content/uploads/2018/12/WODW_Activity_Grandpas-Great-Escape.pdf)



Weekly Learning Project

Watch the videos from the link: [https://www.thinkuknow.co.uk/8\\_10/watch/](https://www.thinkuknow.co.uk/8_10/watch/). Can you create a poster for Sam, Ellie and Alfie's new band *Selfie*? Use a design that shows off each character's talents and personality.

Try to improve your sleep by listening to this calming sleep story before bed

<https://www.youtube.com/watch?v=fkmmQawCgmK>

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