

Wednesday 10th June

Good morning!

Maths: To investigate different house shapes that can be made with 5 squares and link these to make different sized rectangles.

English: To collect adjectives and similes to describe a city and to answer questions about city pictures.

Suggested afternoon activities –

Science: To compare humans and other animals.

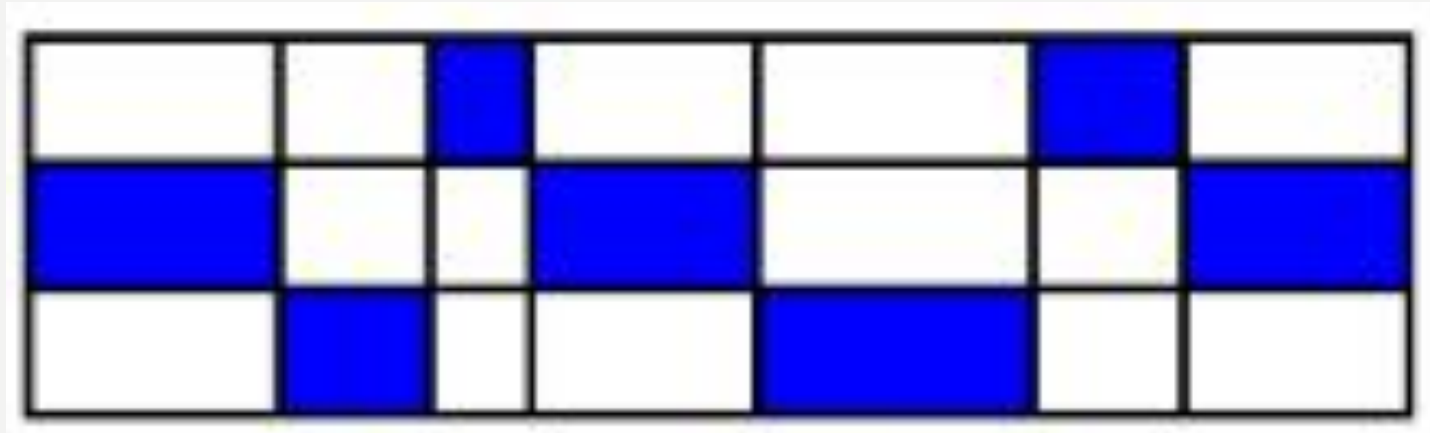
Spelling

This week we will be looking at words with the -sion, and -tion suffixes. Today we will also look at the -cian and the -ssion ending.

- **When the root word ends with 'd', 'de' or 'se' the suffix used is usually -sion: expand – expansion**
- **If the root word ends with 't' or 'te' use -tion: invent – invention**
- If the root word ends with 'c' or 'cs' use the -cian suffix: magic – magician
- When the root word ends with an 'ss' or 'mit' use the suffix -ssion: possess – possession

Can you write some sentences using some words with the -sion, -tion, -cian and -ssion suffixes?

FRACTION PRACTICE:



Imagine that you can slide the blue and red sections of these shapes anywhere you want.

Can you work out what fraction of the rectangle is shaded blue?



What fraction is left white?

What fraction of the target is shaded red?

What fraction is left white?

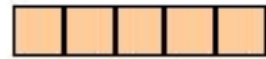
MATHS:

This week in maths is investigation week. We will be applying our number skills and deep thinking in different ways to solve problems, investigate patterns and rules.

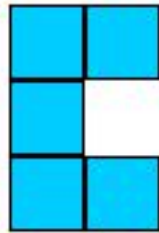
Penta people, the Pentigles, always build their houses from five square rooms on one level - ground level.

The houses can be designed in a variety of shapes, but a room must be joined to at least one other room by one wall.

Here is a design drawing for a Penta house, a view from above.



Here is another one:



There are many different ways that you can arrange the five rooms.

I wonder how many different Penta homes you can create.

Try to find all possible shapes the Pentigles can build their homes.

To do this task you could use multi-link cubes if you have them, or you could cut and colour some card squares making sure they are the same size. Alternatively, you could draw the squares in your book using a ruler to make sure they are the same size, or some squared paper.

New homes are being built in Penta Place.

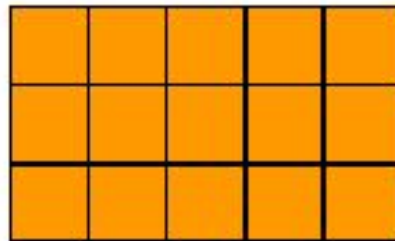
The homes are built right next to each other and are arranged and fitted together to create other shapes. Experiment and see what shapes you are able to make.

Penta Place will use just one shape that can be made, the rectangle.

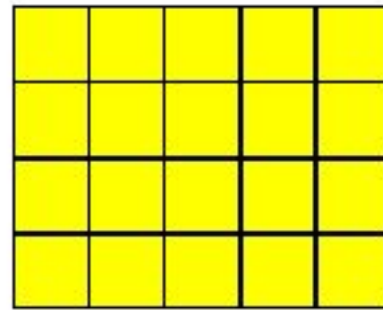
See if you can solve some of the Penta's challenges below.

Find three of the Penta house shapes that you created and fit them together to form a 3X5 rectangle like this one.

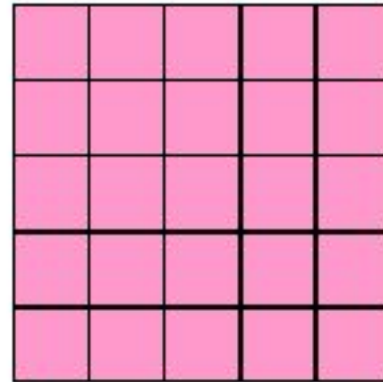
I wonder if you could make other sized rectangles using three of the Penta shapes.



Are you able to find four of the Pentigles' house shapes to make a larger rectangle like this?



Here we have a 5 by 5 square. Construct a similar square with five of the Penta houses.

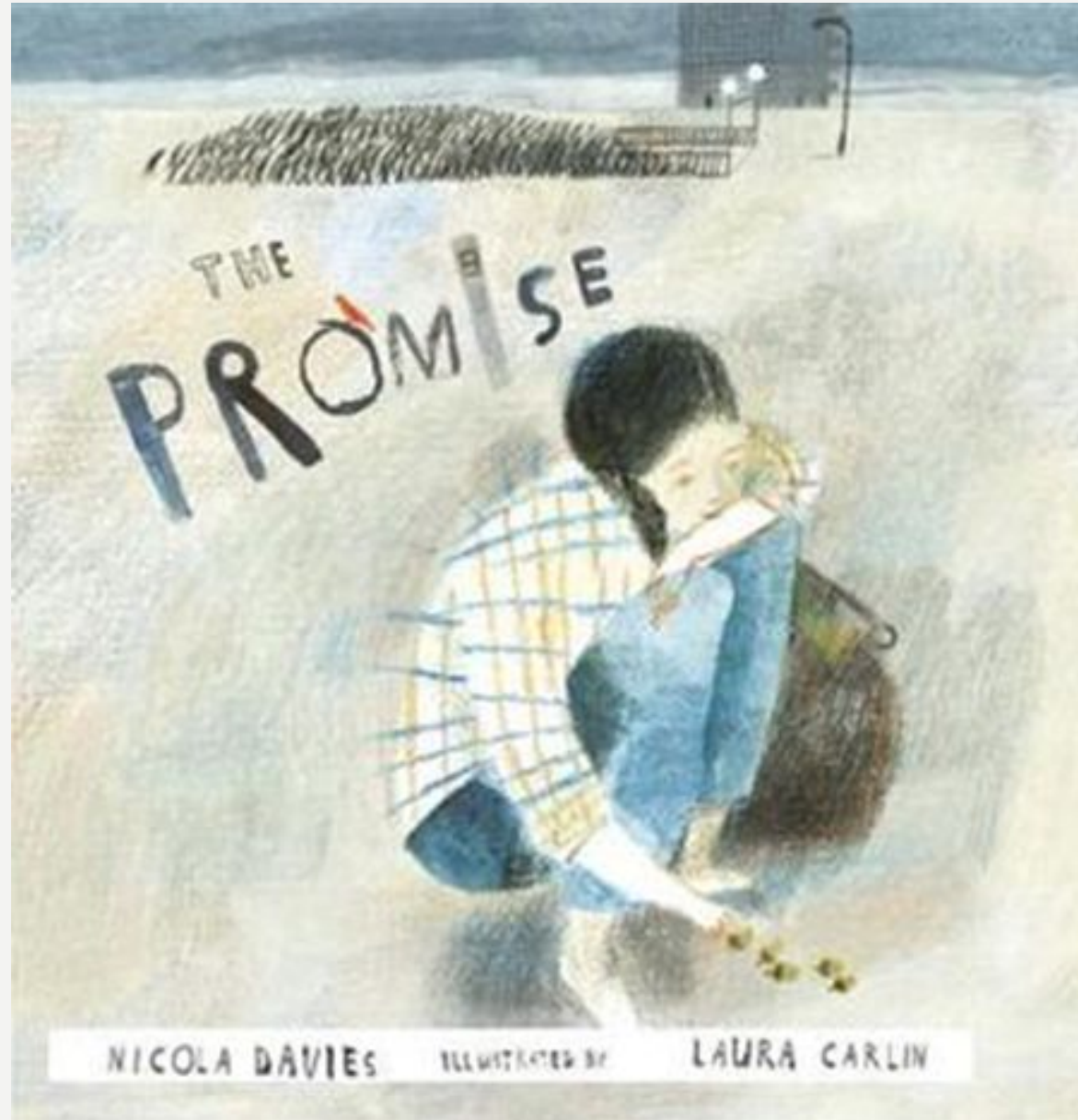


If you are unable to do these activities, check that you have made all of the Pentigles' house shapes that you possibly can.

There are in fact 12 different shapes. Have you found all of them?

ENGLISH:

To gather adjectives and similes to describe a setting.



Read through the following passage again. We are going to look at some pictures of cities and generate some adjectives and similes to describe them. Remember you can listen to the story here <https://vimeo.com/73026206>



Nothing grew. Everything was broken. No one ever smiled.

When I was young I lived in a city
that was mean and hard and ugly.

Its streets were dry as dust,
cracked by heat and cold,
and never blessed with rain.

A gritty, yellow wind blew constantly,
scratching round the buildings
like a hungry dog.



When I was young I lived in a city that was mean and hard and ugly. Its streets were **dry as dust**, cracked by heat and cold and never blessed with rain. A gritty, yellow wind blew constantly scratching round the buildings **like a hungry dog**.

Nothing grew. Everything was broken. No one ever smiled.

- Simile
- Short sentences for effect

Adjectives:
mean, hard, ugly,
gritty, yellow



Task 1: Describe the city you see on the next slide using some of these adjectives. Try to make up some **similes** for the city if you can, like as ***dry as dust*** from the previous description. List the adjectives and similes that you come up with as we will need them for tomorrow's work.

City: *active, bustling, noisy, busy, clean, dirty, windy*

Traffic: *loud, congested, snarled*

Buildings: *old, shabby, rundown, crumbling, modern, futuristic, sleek, towering, squat*

Buildings (walls): *brick, stone, marble, glass, steel, graffiti-covered*

Monuments, statues: *stone, copper, carved, ancient, moss-covered, faded, green, bronze*

Sidewalk: *concrete, cement, slick, cracked, tidy, littered, swept*

Paint: *fresh, weathered, peeling*

Signs: *neon, weathered, worn, bright, welcoming, flashing*

Buses, cars, taxis: *belching, crawling, speeding, honking, waiting, screeching*

People: *hurried, bundled, smiling, frowning, eager, rushed*

Task 2: Look at these pictures of a city: Sketch one or two that interest you in your book and answer the following questions. 1.) Would you like to live here? Why or why not? 2.) What is the setting like? 3.) Can you use some of the adjectives from the previous slide to describe it? How about some similes?



The Human Body

Today we will be looking at humans compared to other animals. Here are some tasks you could do to learn about it. You can present the information you find out any way you want!

Us and other animals:

- 1.) Think of the areas we have learnt about so far. Can you create a table comparing us to an animal of your choice? You could compare the heart, digestive system, teeth, skeleton, senses and the brain.
- 2.) List everything you need to survive in your habitat. This could be essential things like food, clothes, shelter and then non-essentials but things that keep us comfortable such as entertainment. Compare what you need to another animal. Who needs more? Do you need similar things or different? If you were to swap habitats would you survive? Would the animal? Why/why not?
- 3.) Design a new habitat that you could survive in as well as another animal.
- 3.) Research how humans have evolved. Can you trace us back to our earliest ancestors? You could show this in a timeline of sketches showing how we have changed throughout time. Can you draw a similar timeline for a different animal?
- 4.) Research/create a classification system and classify humans and other animals by it. For example, you could sort animals into their animal kingdoms (mammal, reptile etc.) You could show this as a Venn or Carroll diagram.
- 5.) Compare the diets of humans and other animals. How is what we eat tailored to our needs? How is this different or similar for humans and other animals?