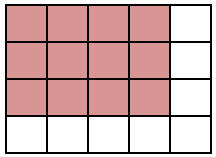
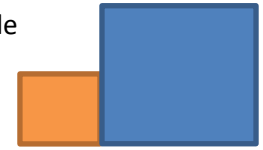
Home Learning	W/C: Monday 13th July	Year: 5
Hi Year 5! We hope you're all well and keeping busy. *We're really looking forward to seeing you all when you come into school next week for a couple of hours!*		

	English	Maths
Monday	It's the last episode of Kizzy 'The Bonfire' Watch up 10:14:41 at the top of the screen. https://www.youtube.com/watch?v=I4aamvCM9uM Why has Kizzy behaved like that? What was she trying to do? What could happen next? Jot down some ideas of what could happen next in the story.	**Finding Perimeters** Perimeter is the total length of the outside edges of a shape. You can find the perimeter of a rectangle using a formula: P=2l + 2w This means Perimeter = 2 times the length plus 2 times the width. or the formula can be written like this: P= 2(l+w) You will learn more about formulas and algebra next year. *Watch this video:* https://www.youtube.com/watch?v=AAY1bsazcgM Look at the **attached sheet** (you can print it if you are able to) and complete the questions on perimeter and later in the week we will come back to it to solve the area questions. Extension: Draw your own shapes and measure them accurately (or make up the side lengths) then calculate the perimeter.
Tuesday	Your aim this week is to write an ending for the story of the Diddakoi. Good writing always needs good planning so plan your ending carefully today. You can; • Create a storyboard • Use text boxing or • Write some notes Remember to include descriptive vocabulary, good openings for sentences and a variety of conjunctions in your planning.	**Finding Perimeters** Choose a rectangular space somewhere inside or outside you home. It could be the patio, paving stones, rug in the lounge, kitchen/bathroom tiles etc. Estimate the perimeter. Think about a suitable unit of measurement (mm, cm, m). Decide what measurements you need to make to find the perimeter. Use a tape measure to find the measurements. Record your results and total the perimeter. You may wish to display this in a table: **see attached table** Extension: Find other objects/areas around your home and repeat the process. It could be picture frames table top etc.
Wednesday	Have a look at this BBC Bitesize video about similes and	**Area**

	metaphors and work through the lesson. https://www.bbc.co.uk/bitesize/articles/zk68wty Can you add some good similes and metaphors to your plans?	Area is the amount of surface inside a perimeter.  There are 3 rows of 4 square centimetres. Count the squares. 3 lots of 4 make 12, so the area is $12cm^{2.}$  The length of this rectangle is 6cm and the width is 2cm. If you imagine squares on this rectangle, you can count 2 rows of 6 squares. This gives you an area of $12cm^2$ The formula for area is: A = l X w Area = length times width Watch this video: https://www.youtube.com/watch?v=xCdxURXMdFY Look at **the sheet** from Monday and complete the area questions.
Thursday	Write a draft of your ending to the story of the Diddakoi. Make sure that you check and edit it as necessary, making sure that you check for the following; • Capital letters and full stops used correctly • Interesting vocabulary • Different sentence openers • Similes and metaphors included • A variety of adjectives, adverbs and conjunctions • 'a' and 'an' used correctly	**<u>Area of Irregular Shapes</u>** To find the area of composite rectangular shape: • Divide it into rectangles • Find the area of each rectangle • Calculate the total  Imagine this is one shape. Divide it into rectangles. If the orange square had a length and width of 4cm then the area would be 4cm X 4cm = $16cm^2$. If the blue rectangle had a length of 7cm and a width of 6cm then the area would be

	• Paragraphs used appropriately • Year 5/6 spellings have been included • The correctly spelt homophone has been used (their/there/they're; here/hear; your/you're) • Punctuation is appropriate • The ending makes sense all the way through	7cm X 6cm = 42cm^2. To calculate the area of the whole shape add both areas together. 42cm^2 + 16cm^2 = 58cm^2 Complete the **area sheet** below. Extension: Draw your own shapes and measure them accurately (or make up the side lengths) then calculate the area.
Friday	Write your version of the ending of the Diddakoi in your neatest, joined handwriting. You could add pictures if you wish. Now you can watch the rest of the episode. Was the ending similar to your idea?	Make a poster, booklet or game demonstrating your understanding of perimeter and area. Or Play some online games to help consolidate your understanding. https://www.topmarks.co.uk/Search.aspx?q=perimeter https://mathszone.co.uk/category/measuring/area-and-perimeter/ https://www.mathgames.com/skill/3.19-perimeter-find-the-missing-side-length
EXTENSION;	The Diddakoi is about the challenges a young gypsy girl has to undertake in society. Poor Kizzy was picked on at school and extremely misunderstood because others had no understanding or knowledge about Kizzy's culture. We, as humans, often make judgements about others without understanding or learning about the culture of others. As it is Gypsy, Roma, Traveller Month, find out some more about the people and their culture. https://www.opensocietyfoundations.org/voices/gypsies-roma-travellers-animated-history https://www.gypsy-traveller.org/heritage/celebrating-gypsy-roma-and-traveller-history-month/	

	Also have a look at the PowerPoint about canals. People lived and worked on the narrowboats, travelling up and down the canals, a similar lifestyle and culture to the gypsy life.	

Enrichment Tasks

Complete your study about our solar system including the sun, moon and earth.
Make sure that you have discovered the following;

- How the Earth, the Moon and the Sun move in relation to each other.
- How we get night, day, days, months and years.
- What a solar and a lunar eclipse is.
- The name of our solar system and the names of the planets it is made up of, in which order.
- Comparisons of the planets; sizes, temperatures, colours etc.
- How the names of the planets in our solar system are linked to things in Earth's history.

For an Art project, have a look at the PowerPoint about Gabi Jiminez, a gypsy artist. Follow the information and the activity.

WALT: Calculate the perimeter of rectangles

Challenge: Can you calculate the area?

(Shapes are not drawn to scale)

6 cm

5.5 cm

Perimeter = _____

Area = _____

12cm

9cm

Perimeter = _____

Area = _____

4 cm

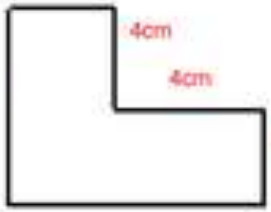
6 cm

4cm

4cm

2 cm

8cm



Perimeter = _____

Area = _____

16 cm

3cm

Perimeter = _____

Area = _____

15.5 cm

10 cm

Perimeter = _____

Area = _____

12 cm

4 cm

Perimeter = _____

Area = _____

9.5 cm

4.5 cm

Perimeter = _____

Area = _____

12.5 cm

3.5 cm

Perimeter = _____

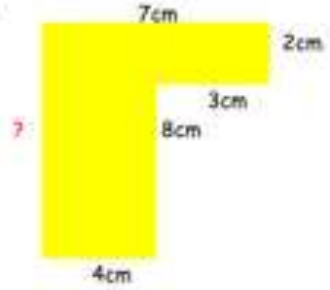
Object/Area	Estimated Perimeter	Measurements	Actual Perimeter

Calculate the area of these shapes

A.

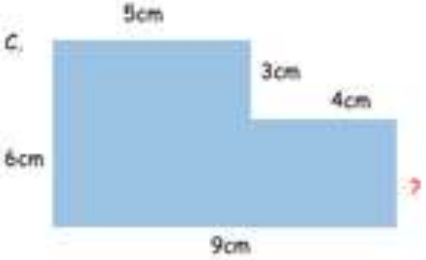
Area=

B.



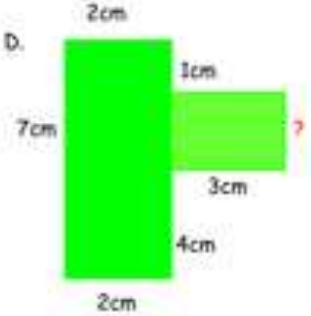
Area=

C.



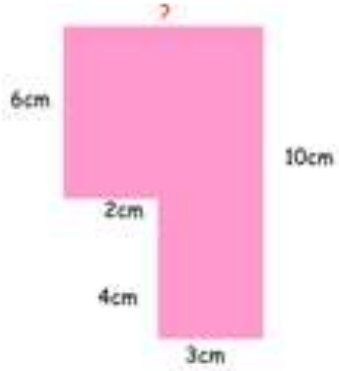
Area=

D.



Area=

E.



Area=