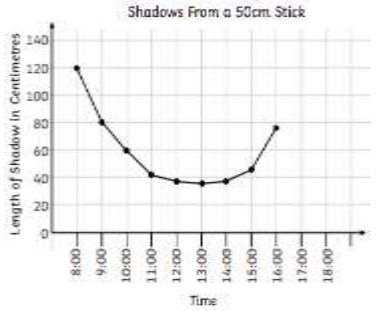
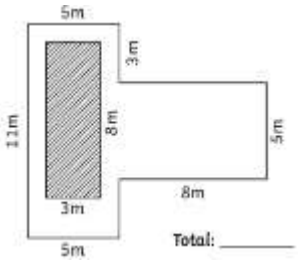
Halesowen C of E Primary School
Home Learning

DATE: 27th April- 1st May **YEAR GROUP: 5**

PICTURE: City in a Cave - Please see picture on following page

DAY/ SUBJECT	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
MATHS	In the cave city there are a lot of shadows cast. The line graph below shows the length of a shadow at each hour in the cave.  Using the line graph above, answer the following questions; 1. When was the shadow shortest? 2. What was the difference between the longest and shortest shadow? 3. By how much did the shadow change between 8:00am and 10:00am? 4. What time would you expect the shadow to be 120cm again?	At the beginning of the day, the local grocer has 239 apples. He receives another 144 from the market and sells 307 during the day. His helper calculates how many apples the grocer has by the end of day: 307-239=68 68+144=212 The grocer has 212 apples left. Explain the mistake the helper has made. How many apples does the grocer have at the end of the day?	Even though the city is in a cave, the residents love rugby and have built a rugby club at the very bottom of the picture. The rugby club has an average attendance of 6962 people to each match. What is the total attendance for the 39 matches played in a season? The rugby club sells boxes of chips for the fans to eat. Each box contains an average of 95 chips. During a match, the club sells 4911 boxes of chips. How many chips are used in 5 matches? 17 matches? In a full season? .	You have moved into Cave City and decide that you want to lay new flooring in the kitchen. In the floor plan below, the shaded part is an island and you do not need tile for that section. What is the area of the kitchen floor that needs tiled?  Challenge: If the tiles are 30 cm by 30 cm, how many floor tiles will you need?	Cave City have started their own Olympic games. During the first competition there was 84 medals won. ½ of the medals were gold, 1/3 of the medals were silver and 1/6 of the medals were bronze. How many medals were gold? How many medals were silver? How many medals were gold? One of the competitions was a 25km triathlon. They cycled for 4/5 of the distance, they ran 9/10 and swam 1/10. How far did they cycle? How far did they run? How far did they swim?

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ENGLISH	You and your family have moved to the city in the cave. Write a report about what your new life would be like. Things to consider: Would you ever go above ground? What types of jobs would there be? Why is the city in a cave? When was it built? Is it a good place to live? Why or why not. Would you be able to carry on a normal life? How do you feel about living in a cave?	Make a list of adjectives to describe the picture. Can you elevate your choice of adjectives? Now make a list of adverbs to match your adjectives. Write three descriptive sentences using adjectives and adverbs from your lists.	Draw, build or write about your own city in a unique place. For example; in a cave, underwater, in the middle of the ocean, underground, in the sky. What different features would it have? Can anyone live in your new city? Would you need special materials to build your city? Would it be colourful and bright or dark and dreary?	The City in the Cave's population is decreasing and we need more people to move there. Design a 'wanted' poster to persuade families to move there.	The Earth is overcrowded, should humans move underground? Find another person and discuss the above question. What would some of the advantages and disadvantages be? Can you convince your discussion partner to agree with your opinion?

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