

SOUTH LAKES WILD ANIMAL PARK

Mathematics Resource Pack

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SUPPORTED BY:

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- *Cumbria Local Education Authority*
- *South Lakes Wild Animal Park, Dalton*

*The National
Numeracy Strategy
in Cumbria*



Cumbria
COUNTY COUNCIL



Wildlife Information - Tiger Sheet KEY STAGE 2



A. Fill in this timetable as you go round the park. You do not have to go round in this order.

Event	Time (nearest minute)
When I entered the Park	
When I visited the tigers	
When I went to the monkey house	
When I went to the rhinoceros house	
When I started my lunch	
When I finished my lunch	
When I went to the shop	
When I left the Park	

B. As you walk around the park, write down the **names** and **lifespans** (in years) of any six animals here.

- 1) _____ yrs 2) _____ yrs
 3) _____ yrs 4) _____ yrs
 5) _____ yrs 6) _____ yrs

C. Go to the **tigers**. There are two **species**. Look for the information on the fences and fill in this table. Use the last two rows to enter data of your own.

	Sumatran		Amur	
	Male	Female	Male	Female
Name of tiger				
Weight				
Climate (°C)				
Number in wild				

D. Look at the fence surrounding **both** tiger enclosures. Answer these questions by **estimating**.

- a) How high are the metal posts? _____ metres
- b) How many posts are there? _____ posts
- c) How far apart are most of the posts? _____ metres
- d) Look at the top part of the fence.
What angle does it make with the vertical post? _____ degrees

E. Now go to Enclosure 45 (see map) and look at the **monkey's climbing frame**.

- a) How many vertical posts are there? ___ posts. How high do you think they are?
___m
- b) How many horizontal posts are there? ___posts. How long do you think they are?
___m
- c) Some posts are set at an angle to the ground.
How many are there? _____ posts
Estimate how long they are. _____ m
What **angle** do you think they are to the **vertical**? _____ degrees.

F. Find the spider monkey enclosure. (Number 11 on the map)

- a) Estimate the **width** (___m) and **length** (___m) of the enclosure.
- b) How many strands of wire are there on the electric fence? _____ strands

G. Go to the monkey house and find the **White Handed Gibbons**.

Find the information you need to fill in this table :

	Name of Gibbon	Date of Birth	Gibbon's Age Now
1			
2			
3			
4			

H. Find the **Siamang**. Look at the Siamang's diet and fill in the information for **four** different types of food that it eats.

- a) _____ % b) _____ %
c) _____ % d) _____ %

I. Find the **Cotton Topped Tamarin**. (Enclosure 18)

Make a sketch of the enclosure
in this space. →

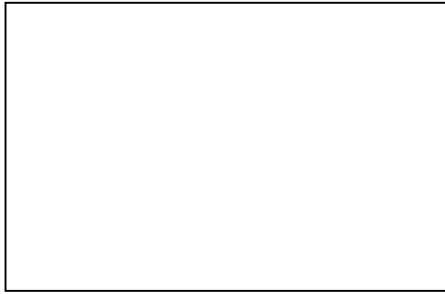
Draw the outline of the pool
and the island.

Estimate the perimeter of the island. _____ metres

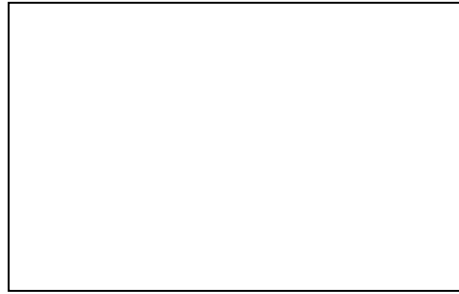
Estimate the perimeter of the lake. _____ metres

J. Now go to the rhinoceros house. Sketch a plan of the interior in the space below. Draw and mark the **rhino, tapir and capybara pens and the path** on your plan. Write on the plan what you think the **dimensions** of each pen are (in metres).

K. On your way round the Park, look for an example of a **repeated pattern** and an example of **symmetry**. Draw them in these boxes.



Repeated Pattern



Symmetry

L. On your way round the Park, look for one example of each of these shapes. Then fill in this table.

Shape	Example	Shape	Example
triangle		pentagon	
quadrilateral		hexagon	

M. **Finally**, go to the shop. Choose one item from each on the list below. Write down what you have chosen and the price.

	Your choice	Cost
A large model animal		
A medium-sized cuddly toy		
A reference book		
A film for your camera		
A souvenir badge		
A souvenir mug		

We hope you enjoyed your visit and found this sheet interesting. You will need the information you have gathered later. Don't worry if you did not find everything - you can share your information later with your class.