



African Adventure Challenge!

Size is everything!

Let's practise those estimation skills..

Student Introduction

- The keepers at Robin Hill need to see how much their beasts have grown!
- Can you help figure out their size?



On-site Estimation

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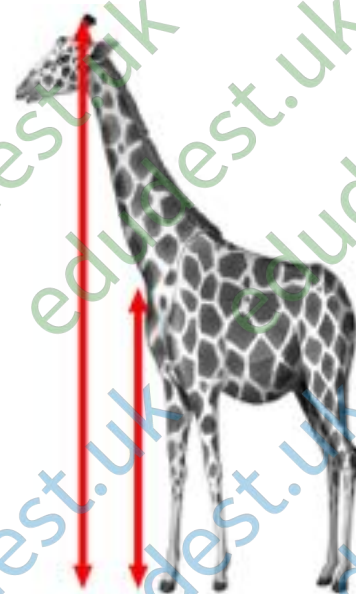


Height _____

Length _____

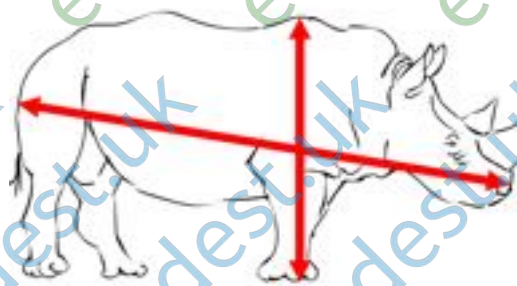


Height _____
Length _____



Height _____

Leg height _____



Height _____

Length _____



Height _____

Length _____



Length to tip of tail _____

Estimate in centimetres:

White Rhino

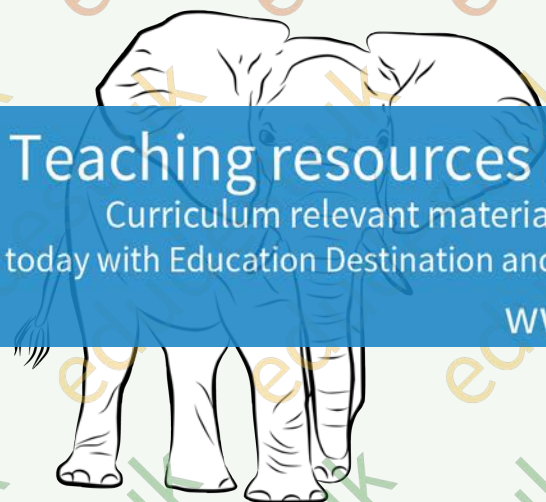
The length of the white rhino's horn _____ cm



African Elephant

The height
and width of the elephant's ear

Height _____ cm



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The length of the elephant's tusk _____ cm

Circumference of the elephant's leg _____ cm

Q.

Which species of animal in the African Adventure do you think is considered the most dangerous?

Why is this?

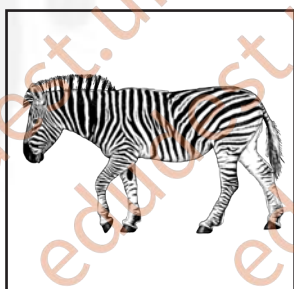
Post-visit Data Table:

Species of Animal	Fastest Speed		Average Weight		Average Height	
	<i>Metres per second (mps)</i>	<i>Rank</i>	<i>Kilograms (kg)</i>	<i>Rank</i>	<i>Metres</i>	<i>Rank</i>
Zebra						
White Rhino						
African Elephant						
Giraffe						
Ostrich						
Crocodile						
Lion						
African Buffalo						
Cheetah						
Western Gorilla						

TASK

- » Now you have the data, put the animals in rank order by giving the highest amount rank 1, the second highest rank 2 and so on.
- » Choose one of the categories to record on a chart. For example: all the average heights.
- » What type of chart or graph would show the data best?
- » Will your chart be vertical or horizontal?

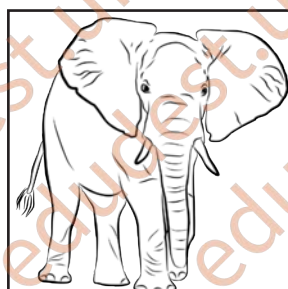
Set of Animal Labels



Zebra



Ostrich



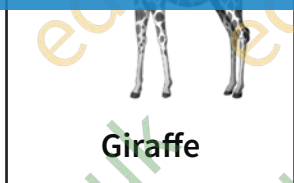
African Elephant

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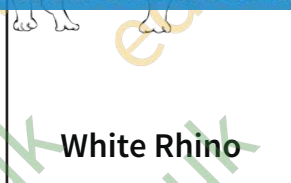
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Giraffe



White Rhino



Lion



Cheetah



African Buffalo



Crocodile



Western Gorilla



TEACHER SHEET

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Animal Measurements

	to cm	to half metre	metre
Adult Zebra	H. 1.55m L. 1.90m	1.5m 2.0m	1m /2m 2m
Giraffe	H. 7.31cm Leg 2.4m	7.5m 2.5m	7m 2m

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Ostrich	H. 2.25m L. 1.83m	2m 2m	2m 2m
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Buffalo	H. 1.47m L. 2.26	1.5m 2.5m	1m 2m
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Lioness	H. 1.48m L. 2.26m	1.5m 2.5m	
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Gorilla	H. 1.30m L. 1.09m	1.5m 1m	
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White Rhino	H. 1.53m L. 2.82 m	1.5m 3m	2m 3m
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Horn	0.45m (nearest 10cm: 40/50cm)		
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Elephant	H. 3.05m L. 4.88m	3m 5m	3m 5m
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Tusk	110cm		
Ear H.	1.7m		
W.	1m		
Area	1.4sq m		