



KS2U Mathematics
Number
Estimation





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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www.edudest.uk Height Height Height Leg heigh Length Length to tip of tail

Estimate in centimetres:

White Rhino

The length of the white rhino's horn



African Elephant



The height and width of the elephant's ear

Height ___cm

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The length of the elephant's tusk

Circumference of the elephant's leg

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Jest. III

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

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Why is this?

Jest. III

Post-visit Data Table:

Species of Animal	Fastest Speed		Average Weight		Average Height	
y, X	Metres per second (mps)	Rank	Kilograms (kg)	Rank	Metres	Rank
Zebra	963	des		6	63,19	5,196
White Rhino	600	edic	edic	edic	edic	egic
African	L N	- 4	- \		1	1

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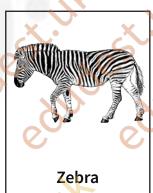
			ww	w.edudest	.uk			
	Ostrich	6	0	0	0	0	e di	
	Crocodile	t x3	- x 3/4	* Jt	TIC X	the	110 ×	
-	Lion	des	Jes 1	es d	8		55, 19	>
	African Buffalo	egio	edic	edic	edi	edis	egic	
	Cheetah	F 31	- 34	16.	W.	- Jl	- JK	
	Western Gorilla	dest.	36219	est d	65, 9	65.7	55, 96	

TASK

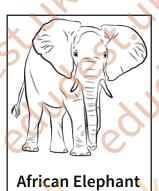
- » Now you have the data, put the animals in rank order by giving the highest amount rank 1, the second highest rank 2 and so on.
- » Choose one of the categories to record on a chart. For example: all the average heights.
- » What type of chart or graph would show the data best?
- » Will your chart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



Set of Animal Labels







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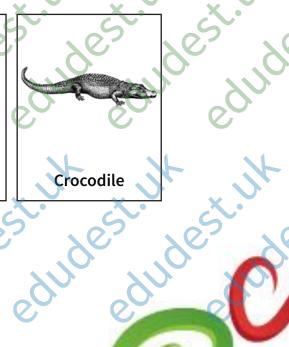


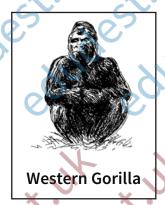
White Rhino











TEACHER SHEET



Animal Measurements

35.	to cm	to half metre	5.	metre
2° _ X		ye, ye	<i>'</i>	
Adult Zebra	H. 1.55m	1.5m) 1m /2m
	L.1.90m	2.0m		2m
20	00 00		20	
Giraffe	H. 7.31cm	7.5m		7m
	Leg 2.4m	2.5m		2m

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Ostrich	H. 2.25m M	ww.edudest.ul	(e) 2m		
	L. 1.83m	Zm	2m	0,	C
Buffalo	H. 1.47m	1.5m	1m		
Nh Nh	L. 2.26	2.5m	2m	sest.ill	
Lioness	H. 1.48m	1.Fm	11, 11,		
Fioriess	L. 2.26m	1.5m 2.5m	X. X.	X.	C
16, 16		10, 10	Sill 2m	sest. Ude	2,3
Gorilla	H. 1.30m	1.5m	,0, (0	,0,	,
$\langle O \rangle \langle O \rangle$	L. 1.09m	1m	70 70	XV	
	S. S.	6	e e	6	Q
White Rhino	H. 1.53m	1.5m	2m		
N- N-	L. 2.82 m	3m	3m	- 1	
Horn	0.45m (nearest	10cm: 40/50cm)	" <i>O</i> , " <i>O</i> ,		
Horn			7. %.	ez.	C
Elephant	767	3m 10cm: 40/50cm) 3m 5m	3m 3m 5m	sest. UK	2
Elephant	H. 3.05m	3m	3m	<i>y</i> ''(0)	Þ.
Etephone	L. 4.88m	5m	5m	90.	
			e e	C	6
Tusk	110cm 1,7m				
Ear H	V. 1m	L 1	Nh Nh	N -	
Area	1.4sq m		11, 11,		
· cx.				a.	X
ingestinge	163	16, 16,	16, 7	6 76	7
10, 10,	,,0,	0, 0,	(O(C	, , , ,	
10, 70,	1/2, 1/1	<i>y</i> %	70, 70,	%	
ingestides	edudest.	destille	squide still	egnye	6