## **MAMMALS**

- 1 You are going to observe and draw one of your fingers.
  - (a) Place the palm of your hand on the paper. Examine one finger.

Make a large, labelled drawing of this finger.

[4]

(b) Fig. 2.1 shows the European mole, *Talpa europa*.



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		Fig. 2.1	hand	×0.8				
/i	) State one simil	_	on the struc	cture of the mo	olo's hand			
(i	State <b>one similarity</b> , <b>visible</b> in Fig. 2.1, between the structure of the mole's hand and your hand.							
					[1]			
(ii		e 2.1 to state <b>two difference</b> of the mole's hand and your ha		n Fig. 2.1 bet	tween the			
	feature	mole's hand	У	our hand				
	shape							
	size							
					[2]			
(c) (i	) Name the group	of vertebrates to which the mo	le belongs.					
(ii	State <b>one</b> feature, <b>visible</b> in Fig. 2.1, that supports your answer to <b>(c)(i)</b> .							
					[1]			

[Total: 9]

## MARKING SCHEME:

(a)	Outline - clear unbroken lines and no shading;		[4]	Ignore extra part fingers or hand.		
	Size - occupies at least half the space up to [4] mark allocation;  Detail - nail, hair, cuticle, wrinkle, joint; [this a drawing mark]				Size should be at least 63mm or larger.  Use the measuring tool on screen.  at least 2 details drawn for 1 mark  allow nail bed / cuticle / scars / freckles / mole / blood vessel.  if drawn from palm view allow fingerprint as one detail.	
	Label – any <b>one</b> of detail features;				Ignore incorrect labels.	
(b) (i)	similarity – (both) 5 digits / fingers / nail / claws / toes;		[1]	Allow fingers with 2 joints / 3 sections / palm. Allow 4 fingers and a thumb		
(ii)	feature	mole's hand	your hand	Max [2]	Mark whole table together	
	shape and size	thick / fat / chubby wide / broad round / circular small / 18–20 mm large in proportion to body short / small fingers	thin / long / narrow / oval / rectangular;  large / 140–200 mm; small in proportion to body; long / large fingers;		Give two marks for any two comparisons. If one box completed with comparative term eg accept broader  Accept any idea that proportionally the mole <b>fingers</b> are short in relation to palm of hand / <b>ORA</b> . Ignore reference to hairs.	
(c) (i)	mammals / mammalia;		[1]	e ( )		
(ii)	hairs / fur / whiskers / bristles / AW;			[1]	Accept visible features only. Ignore incorrect features.	
				[Total: 9]		