2. Organisation of the organism

2.2 Size of specimens

Paper 3 and 4

Marking Scheme

Q1.

(b)(i)	3365 (fish) ;	1	
(b)(ii)	40–59 (cm) ;	1	
(b)(iii)	continuous ;	1	

Q2.

(b)	Step 1: 0.029 (mm) ; Step 2: 75 762 ;; Step 3: 75 800 (%) ;	4	MP1 for correct Step 1 conversion MP2 22 - 0.029 = 21.971mm in Step 2 MP3 (21.971 ÷0.029) x 100 = 75762 in Step 2 MP4 correct rounding to three significant figures ecf from previous step

Q3.

(b)	190 (μm) ;	1	

Q4.

(a)	10 (μm) ;	1	

Q5.

(b)(i)	0.002 (mm) ;	1	
(b)(ii)	length of, drawing / image / Fig. 1.2 (in mm) ;	1	

Q6.

(e)(i)	0.005 (mm) ;	1
(e)(ii)	130 000 ;;	2

Q7.

(b)(i)	image size ÷ actual size ;	1	
(b)(ii)	55 (∝m) ;	1	

Q8.

(b)(i)	image size ÷ magnification ;	1	
(b)(ii)	0.8 (μm) ;	1	