Answer Sheet: Maths Assessment Year 6 Term 3:

Measurement

question	answer						marks	notes
·	blems involving the appropriate.	e calculation	on and convers	sion of	units of measure,	using ded	cimal nota	tion up to three decimal
a	3.976 litres					1		
b	1.92kg							
С	2.625 km						1	
d	1.278kg						2	2 marks for the correct answer. 1 mark for an incorrect answer with only 1 mistake in calculating.
2. Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places.								
a	76 cm 7600m 7.6 cm 0.076cm 7.6 km 760mm 0.76 mm 0.76km 760 m 0.076m						5	1 mark for each correct answer.
b	Millimetres Centimetres 75 mm 7.5 cm 5.8 mm 0.58 cm 400 mm 40 cm			Metres 0.075 m 0.0058 m 0.4 m		6	Award one mark for each box correctly completed.	
С	Bananas Cauliflower Chicken Rabbit Millilitres	Mass in 700 g 3800 g 4750 g 1100 g	Litres	Mas 0.7 3.8 4.75	kg i kg		4	
d	i 1900 ml 1.9 l ii 750 ml 0.75 l iii 2400 ml 2.4 l						3	

question	answer					marks	notes		
е	How many minutes are in two and a quarter 135 mir hours?					minutes			
	How many minutes is 210 seconds?				3 ½ or 3.5 minutes				
	300 minutes is equivalent to how many hours?				5 ho	nours			
	How many minutes is equivalent to three quarters of an hour?				45 n	ninutes			
	How many seconds are in 7 minutes?				420	seconds			
3. Convert b	etween miles and kilomet	tres.							
	Distance in miles		Distance in kil	lometre	s				
	2 miles 3km								
,	5 miles		8 km						
а	20 miles 32 km							5	
	40 miles 64 km								
	100 miles		160 km						
b	Journey			Jourr kilom	ney in etres				
	London to Moscow	1500	0 miles	2400 km				2	
	Delhi to Johannesburg	5000	0 miles	8000 km				3	
	Los Angeles to Rio de Janeiro	6300) miles	10 080 km					
4. Recognise	that shapes with the sai	me are	eas can have dif	ferent p	erime	ters and vi	ce ver	sa.	
a	same area: a, c, f same perimeter: b, c, d							2	
b							1		
С	Any rectangle with a perimeter of 16cm, e.g. 1 cm x 7cm					1	A 4cm x 4cm square is correct. Also allow 6cm x 2cm in a different orientation to the one given.		

question	answer	marks	notes				
5. Recognise when it is possible to use formulae for area and volume of shapes.							
a	½ x bh or 2 2	2					
b	Volume ————— abc Surface area —————————————————————————————————	1					
С	3cm	1					
6. Calculate	the area of parallelograms and triangles.						
a	52cm ²	1					
b	any parallelogram with area 55cm² e.g. base 11cm, height 5cm or base 22cm, height 2.5cm	2					
С	136 cm ²	2					
d	17.5 cm ²	2					
	estimate and compare volume of cubes and cuboids using standard units, inc (m³), and extending to other units [for example, mm³ and km³].	cluding cu	bic centimetres (cm³) and				
a	A = 3000 cm ³ , B = 3360 cm ³ B has the greater volume	2					
b	122 500 m³	3	3 marks for a correct answer. 2 marks for correctly multiplying 80 x 60 x 35 = 168 000 m3. 1 mark for an incorrect answer, but a calculation of 70 x 50 x 35 was attempted.				
С	5 mm	1					
d	1000 mm ³	2	2 marks for a correct answer, 1 mark for attempting to calculate the volume of 1 cm ³ in mm ³ .				
e	Volume of A = Volume of B	1	Note the volumes do not have to be calculated to find the answer.				
		Total 60					