Unit Conversions- Answers

Key Stage 2: 2003 Paper A

1.

12	Award **TWO** marks for the correct answer of 250 If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg 150 × 5 = 750 1000 − 750 = wrong answer	Up to 2m	Calculation must be performed for the award of **ONE** mark.

Key Stage 2: 2003 Paper A

2.

14a	Teri	1m	Accept recognisable misspellings. **Do not** accept 16.8
14b	5	1m	

Key Stage 2: 2003 Paper A

3.

19	Award **TWO** marks for the correct answer of 50 If the answer is incorrect, award **ONE** mark for evidence of appropriate working using common units, eg 1500 ÷ 30 = wrong answer	Up to 2m	Calculation must be performed for the award of **ONE** mark. **Do not** accept 1.5 ÷ 30 as evidence of appropriate working.

Key Stage 2: 2003 Paper B

1.

15	Lengths written in correct order as shown: 25mm 3.5cm 20cm $\frac{1}{2}$ m	1m	Accept use of equivalent units, eg 2.5cm Accept answers with missing or incorrect units.

Key Stage 2: 2008 Paper A

1.

22	250	1m	**Do not** accept $\frac{1}{4}$ litre.

Key Stage 2: 2010 Paper B

1.

21	Measurements circled as shown:	1m	Accept alternative unambiguous indications, eg measurements ticked, crossed or underlined.
	4 centimetres (4 inches)		
	10 kilometres (10 miles)		
	(2 litres) 2 pints		
	5 grams (5 pounds)		

Key Stage 2: 2011 Paper B

1.

16	Masses in order, as shown:	1m	Accept answers with missing or incorrect units.
	$\frac{1}{2}$ kg 800g 2kg 1 tonne		

Key Stage 2: 2011 Paper B

2.

26	Award **TWO** marks for the correct answer of 3.6	Up to 2m	Answer must be in metres for the award of **TWO** marks.
	If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, eg:		Accept for **ONE** mark 360 centimetres.
	■ 10 ÷ 0.05 = 200		If the answer is incorrect, accept for **ONE** mark an answer of 36 multiplied by any power of 10 with no evidence of an incorrect method.
	200 × 1.8 = 360		
	360 ÷ 100		Answer need not be obtained for the award of **ONE** mark.
	OR		
	■ 20 5p coins make £1		
	200 5p coins make £10		
	200 × 0.018		

Key Stage 2: 2012 Paper A

1.

17	160	1m (U1)	

Key Stage 2: 2014 Paper B L6

1.

12	11 **OR** 12 **OR** any value between 11.5 and 11.6 inclusive	2m		
		or		
	Any value between 277 and 288 inclusive seen *(value takes account of seconds in a minute and minutes in an hour)* **OR** Any value between 694 and 695 inclusive seen *(value takes account of hours in a day and either seconds in a minute or minutes in an hour)* **OR** Shows or implies a complete, correct method, eg: • 1 000 000 ÷ 60 ÷ 60 ÷ 24 • 1 000 000 ÷ 86 400 • 16 666 ÷ 60 ÷ 24	1m	✗	*Place value errors in the value taken for one million in an otherwise correct method,* eg: • 100 000 ÷ 60 ÷ 60 ÷ 24

Key Stage 2: 2016 Paper 2 Reasoning - Sample

1.

19	Award **TWO** marks for the correct answer of £16 470 If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g. • £32.94 × 1000 = £32 940 £32 940 ÷ 2 **OR** • £32.94 × 500 = £3294 × 5	Up to 2m	Answer need not be obtained for the award of **ONE** mark.

Key Stage 2: 2016 Paper 2 Reasoning

1.

15	Award **TWO** marks for the correct answer of 77 °F	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.		Answer need not be obtained for the award of **ONE** mark.

	• 86 − 68 = 18
	  18 ÷ 2 = 9
	  9 + 68
	OR
	• 86 − 68 = 18
	  18 ÷ 2 = 9
	  86 − 9
	OR
	• 86 + 68 = 154
	  154 ÷ 2		

Key Stage 2: 2017 Paper 2 Reasoning

1.

21	Award **TWO** marks for the correct answer of 12.5	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.		Answer need not be obtained for the award of **ONE** mark.

	• 250 ÷ 20
	OR
	• 20 km is 1 cm
	  100 km is 5 cm
	  50 km is 2.5 cm
	  5 cm + 5 cm + 2.5 cm
			Do not accept incorrect proportions in any step without evidence of the calculation performed.

Key Stage 2: 2018 Paper 2 Reasoning

1.

20	Award **TWO** marks for the correct answer of 30	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.		Answer need not be obtained for the award of **ONE** mark.

	• 17.5 × 12 = 210
	  15 × 12 = 180
	  210 − 180 =
	OR
	• 2.5 × 12 =		

Key Stage 2: 2019 Paper 2 Reasoning

1.

19	Award **TWO** marks for the correct answer of 3.75
	
	If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.
	
	• $60 \div 4 = 15$
	  $250 \times 15 = 3750$
	  $3750\,ml \div 1000 =$
	
	OR
	
	• $250 \div 4 = 62.5\,ml$ per second
	  $62.5 \times 60 = 3750$
	  $3750\,ml \div 1000 =$
	
	OR
	
	• $60 \div 4 = 15$, so there are 15 lots of 4 seconds in 1 minute so there are 15 bottles per minute. There are 4 bottles in 1 litre
	  $15 \div 4 =$
		Up to 2m	Accept for **TWO** marks, 3,750ml for final answer in working and the answer box blank **OR** 3,750 in the answer box where the litres has been replaced with millilitres.
			
			Accept for **ONE** mark 3,750 litres (l) in the answer box **OR** the final answer in working and answer box blank.
			
			Answer need not be obtained for the award of **ONE** mark.

Key Stage 2: 2019 Paper 3 Reasoning

1.

12	Award **ONE** mark for two correct answers, as shown: length = **19 cm** width = **9.1 cm**	1m	Refer to section 6.3 on page 16 for additional guidance on marking answers involving measures.

Key Stage 2: 2019 Paper 3 Reasoning

2.

15	400	1m	