3D Shapes - Answers

Key Stage 2: 2005 Paper B

1.

7

Award **TWO** marks for table completed correctly as shown:

	number of flat surfaces	number of curved surfaces
sphere	0	1
cone	1	1
cuboid	6	0
cylinder	2	1

If the answer is incorrect, award **ONE** mark for two out of three rows completed correctly.

Up to 2m

Accept a blank box for '0'.

Key Stage 2: 2012 Paper A L6

1.

10a	Gives three integers other than 2, 2, 6 (in any order) whose product is 24, eg: 1, 1, 24 1, 24, 1 1, 2, 12 1, 3, 8 1, 4, 6 2, 3, 4	1m	! Non-integer(s) used As this shows understanding of volume, condone provided the three values given have a product of 24 eg, accept • 1.5, 2, 8
10b	7	1m	

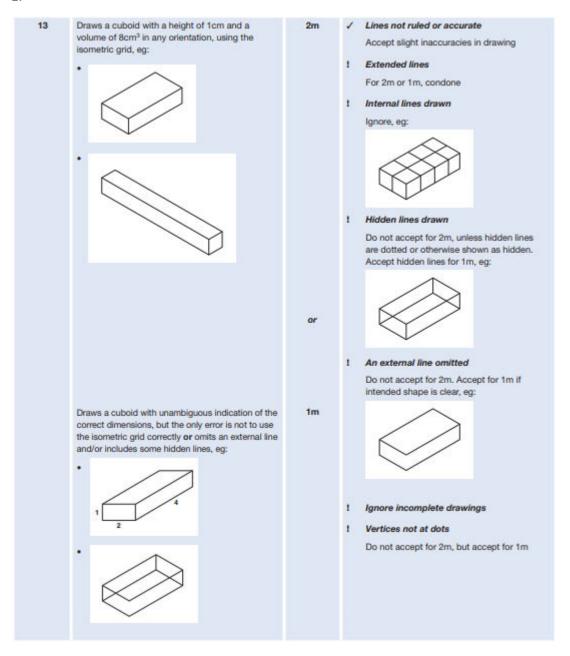
Key Stage 2: 2012 Paper A

20a	8	1m	
20b	14	1m (U1)	If the answer to 20a is 14 AND the answer to 20b is 8, then award ONE mark for 20b.

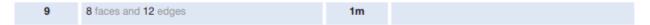
1.

14	Triangular prism	1m	Accept recognisable misspellings.
			Accept prism.

Key Stage 2: 2013 Paper A L6

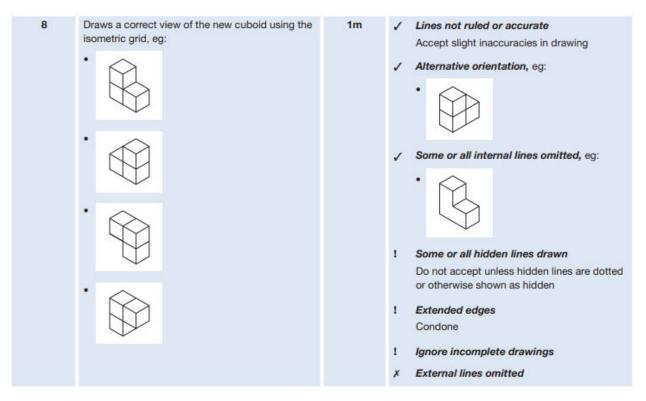


1.



Key Stage 2: 2015 Paper A L6

1.



Key Stage 2: 2015 Paper B L6

6	18	2m or	1	Measures See guidance (page 7)
	1728 seen (the volume of the cube/cuboid)	1m		
	OR			
	Shows or implies a complete correct method, eg:			
	 12 x 12 x 12 = 1440 (error) 1440 = 16 x 6 x height height = 1440 ÷ (16 x 6) = 15 			
	• 12 × 12 × 12 ÷ 16 ÷ 6			

1.

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Key Stage 2: 2017 Paper 2 Reasoning

12	Award TWO marks for both pyramids ticked as shown:	Up to 2m	Accept alternative unambiguous positive indications, e.g. Y.
	Cube		
	Square-based pyramid		
	Triangular prism		
	Triangular-based pyramid 🗸		
	If the answer is incorrect, award ONE mark for:		
	 the two pyramids and not more than one incorrect shape ticked 		
	OR		
	 only one correct shape ticked and no incorrect shape ticked. 		

Key Stage 2: 2017 Paper 3 Reasoning

1.

2	Award TWO m of 9	arks for the correct answer	Up to 2m	
		s incorrect, award ONE mark fan appropriate method, e.g.		Answer need not be obtained for the award of ONE mark.
	• 6 × 6 × 6 : 216 ÷ 6 = 36 ÷ 4			
	OR			
	• 216 ÷ 24			

Key Stage 2: 2018 Paper 2 Reasoning

1.

1	1	Award TWO mas shown:	narks for the tal	ole completed,	Up to 2m			
		Number of faces	Number of vertices	Number of edges				
		6	8	12				
		Award ONE m		rect numbers,				

Key Stage 2: 2019 Paper 2 Reasoning

23	Award TWO marks for the correct answer of 720	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.
	• 3 × 4 × 6 = 72 8 × 9 × 11 = 792		
	792 – 72 =		
	Award ONE mark for sight of 792		