
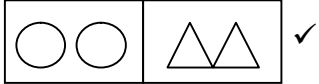
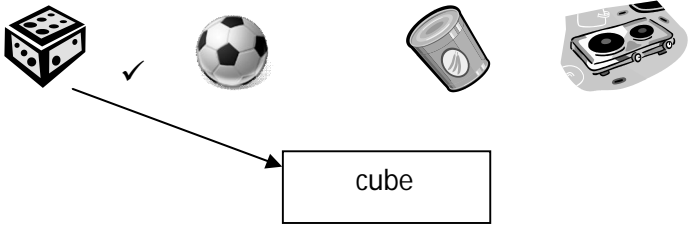
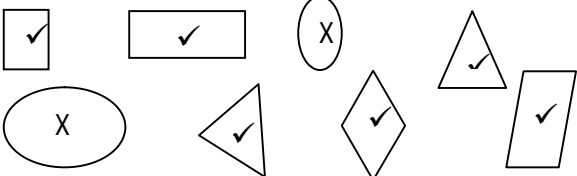
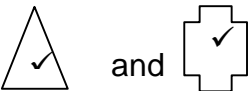


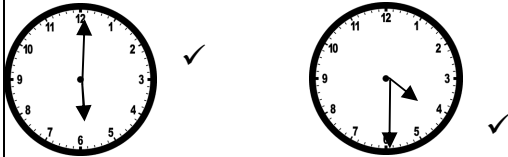
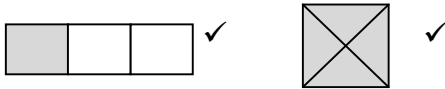


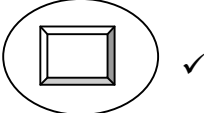
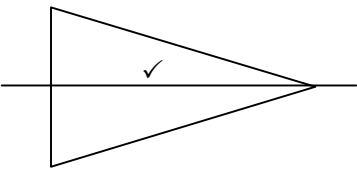
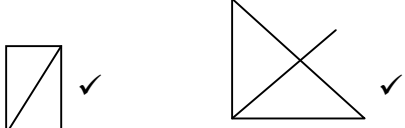
This memorandum consists of 7 pages.

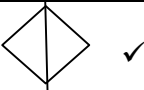
General marking notes:


1. Give full marks for answers only, unless otherwise stated.
2. Accept any alternative correct method that is not included in the memorandum unless otherwise stated.

Question	Expected Answer	Marks	Total
1.1		1	3
1.2		1	
1.3	D ✓	1	
2.1		1	4
2.2		2	
2.3		1	
3.1	169 ✓	1	

Question		Expected Answer	Marks	Total
3.2	3.2.1	49	1	5
	3.2.2	55	1	
	3.2.3	63	1	
	3.2.4	74	1	
	3.2.5	18	1	
		<p>eighteen</p> <p>seventy-four</p> <p>fifty five</p> <p>forty-nine</p> <p>sixty three</p>		
3.3.1		101 ✓	1	3
3.3.2		100 ✓	1	
3.3.3		110 ✓	1	
4.		<p>forty seven/forty-seven ✓</p> <p>(do not penalize for incorrect spelling)</p>	1	1
5.1		Half past one / 1:30 ✓	1	4
5.2			2	
5.3		8 ✓	1	
6.1		<p>C ✓</p> <p>Do not accept 1 quarter.</p> <p>Question asks to circle the letter of the answer.</p>	1	4
6.2		2 ✓ 1 half / one half ✓	1	
6.3			2	
7.1		162, 152, 131, 129, 117 ✓	1	4
7.2.1		90, 95, 105, 100, 110 ✓	1	
7.2.2		5, 15, 51, 105, 115 ✓	1	

Question	Expected Answer	Marks	Total			
7.3	B✓ Do not accept 80; 64; 40; 21; 12 Question asks to circle the letter of the answer.	1				
8.1	A ✓ Do not accept 28. Question asks to circle the letter of the answer.	1	6			
8.2.1	2 + 2 ✓	1				
8.2.2	4 + 4 + 4 ✓	1				
8.2.3	10 + 10 = 46 ✓	1				
8.2.4	6 + 6 = 37 ✓	1				
8.3	9 ✓	1				
9.1	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 5px;">slide.</td> <td style="padding: 5px;">roll. ✓</td> </tr> </table>	slide.	roll. ✓	1	4	
slide.	roll. ✓					
9.2		1				
9.3	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 5px;">Objects that can roll</td> <td style="padding: 5px;">Objects that can slide</td> </tr> <tr> <td style="padding: 5px;">accept any suitable object that can roll. ✓</td> <td style="padding: 5px;">accept any suitable object that can slide. ✓</td> </tr> </table>	Objects that can roll	Objects that can slide	accept any suitable object that can roll. ✓		accept any suitable object that can slide. ✓
Objects that can roll	Objects that can slide					
accept any suitable object that can roll. ✓	accept any suitable object that can slide. ✓					
10.1		1	4			
10.2		2				

Question	Expected Answer	Marks	Total
10.3		1	
11.1.1	57; 54; 51 ✓	1	4
11.1.2	153; 157; 161 ✓	1	
11.2.1	164; 166; 172 ✓	1	
11.2.2	158; 161; 167 ✓	1	
12.1	80 or eighty ✓	1	3
12.2.1	70 or seventy ✓	1	
12.2.2	3 or three ✓	1	
13.1.1	58 ✓	1	12
13.1.2	14 and a half ✓	1	
13.2.1	12 ✓; 8 ✓; 6 ✓	3	
13.2.2	36 ✓; 20 ✓; 28 ✓	3	
13.3.1	12 ✓ = 6 + 6 ✓ (accept any combination)	2	
13.3.2	16 ✓ = 8 + 8 ✓ (accept any combination)	2	
14.1	is smaller than ✓	1	6
14.2.1	> ✓	1	
14.2.2	= ✓	1	
14.2.3	< ✓	1	
14.3.1	< ✓	1	
14.3.2	< ✓	1	
15.1.1	15 ✓	1	
15.1.2	21 ✓	1	

Question	Expected Answer	Marks	Total												
15.2	<table border="1" data-bbox="347 432 1075 595"> <tr> <td data-bbox="347 432 501 510">cars</td> <td data-bbox="501 432 612 510">1</td> <td data-bbox="612 432 724 510">3</td> <td data-bbox="724 432 836 510">5</td> <td data-bbox="836 432 948 510">6✓</td> <td data-bbox="948 432 1075 510">9</td> </tr> <tr> <td data-bbox="347 510 501 595">wheels</td> <td data-bbox="501 510 612 595">4</td> <td data-bbox="612 510 724 595">12✓</td> <td data-bbox="724 510 836 595">20</td> <td data-bbox="836 510 948 595">24</td> <td data-bbox="948 510 1075 595">36✓</td> </tr> </table>	cars	1	3	5	6✓	9	wheels	4	12✓	20	24	36✓	1 1 1	7
cars	1	3	5	6✓	9										
wheels	4	12✓	20	24	36✓										
15.3.1	10 ✓	1													
15.3.2	40 ✓	1													
16.1	+ ✓	1													
16.2	- ✓	1	2												
17.1		1													
17.2	<table border="1" data-bbox="347 1245 1075 1397"> <thead> <tr> <th data-bbox="347 1245 715 1283">Item</th> <th data-bbox="715 1245 1075 1283">Weight</th> </tr> </thead> <tbody> <tr> <td data-bbox="347 1283 715 1321">Salt</td> <td data-bbox="715 1283 1075 1321">1 kg ✓</td> </tr> <tr> <td data-bbox="347 1321 715 1359">Rice</td> <td data-bbox="715 1321 1075 1359">2 kg ✓</td> </tr> <tr> <td data-bbox="347 1359 715 1397">Sugar</td> <td data-bbox="715 1359 1075 1397">5 kg ✓</td> </tr> </tbody> </table>	Item	Weight	Salt	1 kg ✓	Rice	2 kg ✓	Sugar	5 kg ✓	1 1 1	5				
Item	Weight														
Salt	1 kg ✓														
Rice	2 kg ✓														
Sugar	5 kg ✓														
17.3	heavier ✓	1													
18.1	<p data-bbox="347 1491 1166 1563">36 - 4 → 32 - 4 → 28 - 4 → 24 - 4 → 20 - 4 → 16 - 4 12 - 4 → 8 - 4 → 4 - 4 → 0</p> <p data-bbox="347 1603 1134 1641">9 packets ✓ can be filled and no ✓ apples will remain.</p> <p data-bbox="347 1682 1007 1720">1 mark for any method and 1 mark for answer.</p>	1 1	4												
18.2	<p data-bbox="347 1749 1166 1821">38 - 4 → 34 - 4 → 30 - 4 → 26 - 4 → 22 - 4 → 18 - 4 14 - 4 → 10 - 4 → 6 - 4 → 2</p> <p data-bbox="347 1861 767 1899">9 packets ✓ and 2 remain ✓</p> <p data-bbox="347 1939 1002 1977">1 mark for any method and 1 mark for answer</p>	1 1													

Question	Expected Answer	Marks	Total
19.1	12 ✓	1	2
19.2	12 ✓	1	
20.1	Change = $R20 - (R12 + R4)$ or $R20 - R12 - R4$ $= R20 - R16$ ✓ $= R8 - R4$ $= R4$ ✓ $= R4$	1 1	6
20.2	✓ $R20 \div R4 = 5$ ✓ or $R20 - R4 = R16 - R4 = R12 - R4 = R8 - R4 = R4$ ✓ $R4 = 0$ 5 ice creams ✓	1 1	
20.3	$R12 + R12 = R24$ ✓ $R24 - R20 = R4$ She is R4 short ✓	1 1	
21.1	5 ✓	1	
21.2	five ✓	1	4
21.3	4 ✓ and 1 ✓	2	
22.1	✓ ✓ $4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = 36$ Or $9 \times 4 = 36$ 1 mark for any method and 1 mark for answer	1 1	4
22.2	✓ ✓ $9 \times 4 = 36$ Or $9 + 9 + 9 + 9 = 36$ 1 mark for any method and 1 mark for answer	1 1	
23.1.1	Peter ✓	1	
23.1.2	13 ✓	1	
23.2.1	6 ✓	1	
23.2.2	4 ✓	1	

Question	Expected Answer	Marks	Total																																				
23.2.3	5✓	1	10																																				
23.2.4	3✓	1																																					
23.2.5	<table border="1" data-bbox="347 607 1216 1346"> <tr> <td data-bbox="347 607 547 1346" rowspan="9">Number of boys</td> <td data-bbox="547 607 715 689">✓</td> <td data-bbox="715 607 890 689"></td> <td data-bbox="890 607 1070 689"></td> <td data-bbox="1070 607 1216 689"></td> </tr> <tr> <td data-bbox="547 689 715 772">😊</td> <td data-bbox="715 689 890 772"></td> <td data-bbox="890 689 1070 772">✓</td> <td data-bbox="1070 689 1216 772"></td> </tr> <tr> <td data-bbox="547 772 715 855">😊</td> <td data-bbox="715 772 890 855">✓</td> <td data-bbox="890 772 1070 855">😊</td> <td data-bbox="1070 772 1216 855"></td> </tr> <tr> <td data-bbox="547 855 715 938">😊</td> <td data-bbox="715 855 890 938">😊</td> <td data-bbox="890 855 1070 938">😊</td> <td data-bbox="1070 855 1216 938">✓</td> </tr> <tr> <td data-bbox="547 938 715 1021">😊</td> <td data-bbox="715 938 890 1021">😊</td> <td data-bbox="890 938 1070 1021">😊</td> <td data-bbox="1070 938 1216 1021">😊</td> </tr> <tr> <td data-bbox="547 1021 715 1104">😊</td> <td data-bbox="715 1021 890 1104">😊</td> <td data-bbox="890 1021 1070 1104">😊</td> <td data-bbox="1070 1021 1216 1104">😊</td> </tr> <tr> <td data-bbox="547 1104 715 1187">😊</td> <td data-bbox="715 1104 890 1187">😊</td> <td data-bbox="890 1104 1070 1187">😊</td> <td data-bbox="1070 1104 1216 1187">😊</td> </tr> <tr> <td data-bbox="547 1187 715 1270">Sport</td> <td data-bbox="715 1187 890 1270">Drama</td> <td data-bbox="890 1187 1070 1270">Religion</td> <td data-bbox="1070 1187 1216 1270">News</td> </tr> <tr> <td colspan="4" data-bbox="547 1270 1216 1346">TV-PROGRAM</td> </tr> </table>	Number of boys		✓				😊		✓		😊	✓	😊		😊	😊	😊	✓	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	Sport	Drama	Religion	News	TV-PROGRAM			
Number of boys	✓																																						
	😊			✓																																			
	😊		✓	😊																																			
	😊		😊	😊	✓																																		
	😊		😊	😊	😊																																		
	😊		😊	😊	😊																																		
	😊		😊	😊	😊																																		
	Sport		Drama	Religion	News																																		
	TV-PROGRAM																																						