



## High 5 Junior Mathematicians Challenge - Qualifying Test - 2023

### MARKING SCHEME

SECTION A		(2 marks each c.a.o.)
1.	(b) 121	
2.	(d) 15	
3.	(c) $(366 - 1) \times (8 \times 3)$	
4.	(c) Any multiple of 100 is divisible by 4.	
5.	(b) 24	
6.	(d) 2 hours 18 minutes	
7.	(b) 16 children	
8.	(d) $256 \text{ cm}^2$	
9.	(b) 28 options	
10.	(b) 36 small cubes	
11.	(d) The card showing 2 is in Box B	
12.	(c) 24 cm	
13.	(c) There is an equal chance of getting an even or an odd number.	
14.	(b) 10 days	
15.	(b) 315	
16.	(c) 28	
17.	(c) 23	
18.	(a) $36^\circ$	
19.	(d) 14 students	

SECTION B		(3 marks each c.a.o.)
20.	200 pages	
21.	70 sweets	
22.	$27 \times 32 = 24 \times 36$ (in any order)	
23.	19	

**Legend to Marking Scheme:**      **c.a.o.** correct answer only

Other guidelines:

1. No mark in the marking scheme is sub-divisible.
2. A correct answer scores full marks, even if no working is shown.
3. Incorrect answers – even though nearly correct – score no marks.
4. No marks are awarded when a wrong method leads to a correct answer.
6. An answer or working that is crossed out and not replaced, is marked as if it was not crossed out. If the answer or working is replaced, then the crossed out answer or working should not be considered in your marking.
7. If a correct answer is copied incorrectly from the working area to the answer area, then the marks are awarded fully.