

DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION
Directorate for Learning and Assessment Programmes
High 5 – Junior Mathematicians Challenge Qualifier – 2022

MARKING SCHEME

SECTION A		(2 marks each c.a.o.)
1.	(b) 12	
2.	(a) 2500	
3.	(a) 5	
4.	(a) A square number has an odd number of factors.	
5.	(c) $\frac{1}{6}$	
6.	(c) 8	
7.	(b) 151	
8.	(a) 10	
9.	(c) 4	
10.	(c) 70 coins	
11.	(d) 7080 mm	
12.	(c) 12.5 days	
13.	(a) Net 1 (c) Net 3	
14.	(d) 7 kg 38 g, $7\frac{1}{8}$ kg, 7300 g, 7.38 kg	
15.	(b) 7 cm^2	
16.	(c) Sunday	
17.	(b) 360°	
18.	(d) 44 triangles and 10 squares	
19.	(c) 16 beanbags	
SECTION B		(3 marks each c.a.o.)
	21	
20.	Award 1 mark if both 19 and 21 are indicated.	
21.	3	
22.	$\frac{2}{9}$	
23.	196	

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.