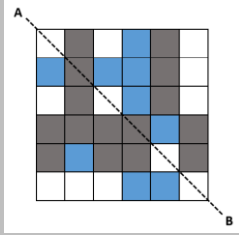





DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION  
 Department of Curriculum Management  
 Educational Assessment Unit  
**High 5 – Junior Mathematicians Challenge Qualifier – 2016**

**MARKING SCHEME**

**SECTION A**

(2 marks each c.a.o.)

1.	(d) 23
2.	(b) 52
3.	(d) €100•40
4.	(c) Multiples of 6 are exactly divisible by both 2 and 3.
5.	(b) 4500
6.	(c) $\frac{5}{12}$
7.	(c) 6979
8.	(c) 720 minutes
9.	(b) 1•25 l
10.	(d) 9 hours 45 minutes
11.	(a) 32 years
12.	(b) 3•06 kg
13.	(a) Amanda
14.	(c) 18 cm
15.	(c) 9 
16.	(b) b, c, d b.  c.  d. 
17.	(c) NW
18.	(c) 66
19.	(d) €28•69

## SECTION B

(3 marks each c.a.o.)

Question No.	Answers and Requirements	Marks	Additional Guidance																
20.	16 cm <sup>2</sup>	3	c.a.o.																
21.	<table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>16</td> <td>3</td> <td>2</td> <td>13</td> </tr> <tr> <td>5</td> <td>10</td> <td>11</td> <td>8</td> </tr> <tr> <td>9</td> <td>6</td> <td>7</td> <td>12</td> </tr> <tr> <td>4</td> <td>15</td> <td>14</td> <td>1</td> </tr> </tbody> </table>	16	3	2	13	5	10	11	8	9	6	7	12	4	15	14	1	3	c.a.o. Award up to 2 marks for some correct rows and/columns
16	3	2	13																
5	10	11	8																
9	6	7	12																
4	15	14	1																
22	90	3	c.a.o.																
23	12 children	3	c.a.o.																

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 but marks are awarded for correct working.
4. No marks are awarded when a wrong method leads to a correct answer.
5. Incorrect working or statement following a correct answer is ignored.
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.
8. In the case of misreading, f.t. may be applied and only the final accuracy mark is lost. The method marks may still be earned provided that the misreading doesn't oversimplify the question.