

AML6 暨 2013 第六屆英數達人競賽 參考答案

第一階段 數學個人競速賽 Math League 6th Grade (AML6) 全美 6 年級數學分級能力測驗參考答案

1	2	3	4	5	6	7	8
A	D	A	C	B	A	D	D
9	10	11	12	13	14	15	16
D	B	A	C	C	B	D	D
17	18	19	20	21	22	23	24
A	C	C	B	C	A	D	B
25	26	27	28	29	30	31	32
C	C	B	D	B	B	C	A
33	34	35					
A	C	D					

第二階段 數學達人團隊賽參考答案

題號	參考答案																														
1	吃虧																														
2	1. X 2. ○ 3. ○ 4. X 5. ○ 6. ○ 7. ○ 8. ○																														
3	54°C(或53.1°C)																														
4	(1) 81 (2) 40 (3) $\frac{81}{175}$																														
5	<p>因1~15的整數和 = $\frac{15 \times 16}{2} = 120$，則每一列的和 = $\frac{120}{3} = 40$， 而每一行的和 = $\frac{120}{5} = 24$。</p> <p>根據上述的資料，得解如右：</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <tbody> <tr><td>8</td><td>12</td><td>3</td><td>13</td><td>4</td></tr> <tr><td>15</td><td>2</td><td>7</td><td>5</td><td>11</td></tr> <tr><td>1</td><td>10</td><td>14</td><td>6</td><td>9</td></tr> </tbody> </table>	8	12	3	13	4	15	2	7	5	11	1	10	14	6	9															
8	12	3	13	4																											
15	2	7	5	11																											
1	10	14	6	9																											
6	編號為 2、3、6、8、9、10、11、12																														
7	<p>答：</p> <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tbody> <tr><td>8</td><td>1</td><td>15</td><td>10</td><td>6</td><td>3</td><td>13</td><td>12</td><td>4</td><td>5</td><td>11</td><td>14</td><td>2</td><td>7</td><td>9</td></tr> </tbody> </table> 或 <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tbody> <tr><td>9</td><td>7</td><td>2</td><td>14</td><td>11</td><td>5</td><td>4</td><td>12</td><td>13</td><td>3</td><td>6</td><td>10</td><td>15</td><td>1</td><td>8</td></tr> </tbody> </table>	8	1	15	10	6	3	13	12	4	5	11	14	2	7	9	9	7	2	14	11	5	4	12	13	3	6	10	15	1	8
8	1	15	10	6	3	13	12	4	5	11	14	2	7	9																	
9	7	2	14	11	5	4	12	13	3	6	10	15	1	8																	

第二階段 英文達人團隊賽參考答案

Question 1:

(1) C (2) B (3) D (4) B

Question 2:

Group 1: Insect (Insect does not have backbone)

Group 2: Canada (Canada is not in Asia)

Group 3: Frogs (Frog is not reptile)

Group 4: Spade (Spade is not food)

Question 3:

- (1) should
- (2) shouldn't
- (3) won't
- (4) will
- (5) must

Question 4:

- (1) up
- (2) up
- (3) down
- (4) on
- (5) to

Question 5:

Synonyms:

pale/light , tiny/minute

Antonyms

hang up/take down , tiny/huge , take off/put on

Question 6:

- (1) built
- (2) Neither
- (3) who
- (4) does
- (5) turning
- (6) to see
- (7) violently
- (8) recycle
- (9) where
- (10) will