







### B10. Tents and Trees (71 points)

2 2 1 2 2 2 1 3 1 2

10a →

10b →

### B11-12. Snake (52, 64 points)

3 3 6 4 5 7 2 6 5 6

11a →

11b →

5 8 6 6 4

12a →

12b →

### B13-14. Four Winds (93, 59 points)

13 → 4 3 6 4 5 2 4 6 5 4

14 → 6 3 4 3 6 5 5 5 6 4

### C1-2. Chains (10, 8 points)

8 + 4 = 12 ÷ 3 = 4

11 - 6 = 5 × 2 = 10

1a → 2 + 7 = 9 - 8 = 1

1b → 3 + 4 = 7 - 1 = 6

2a → 19 - 3 = 16 + 2 = 18 - 1 = 17

13 - 10 = 3 × 5 = 15 - 7 = 8

12 ÷ 6 = 2 + 3 = 5 × 4 = 20

1 × 7 = 7 - 1 = 6 + 8 = 14

2b → 10 - 6 = 4 + 5 = 9 + 2 = 11

### C4-5. Broken Calculator (15, 10 points)

(2 digits)

(2 digits)

(2 digits)

(2 digits)

4 →

5 →

### C3. Column Dance (19 points)

A B C D E F G H I J K L M N O

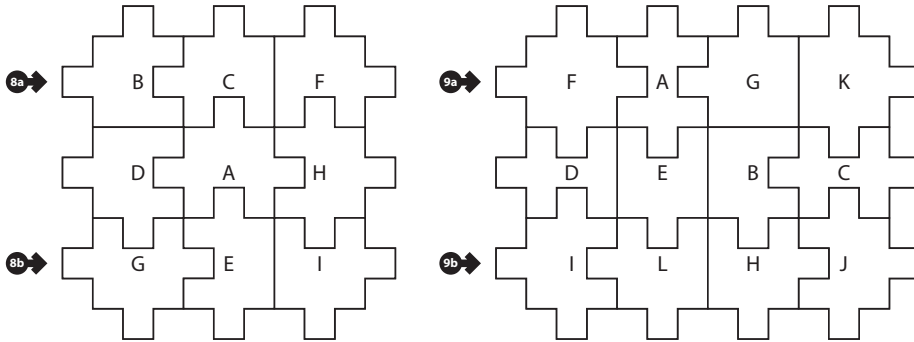
### C6. Crisscross (6 points)

6 → W I I I I U A T O N O K

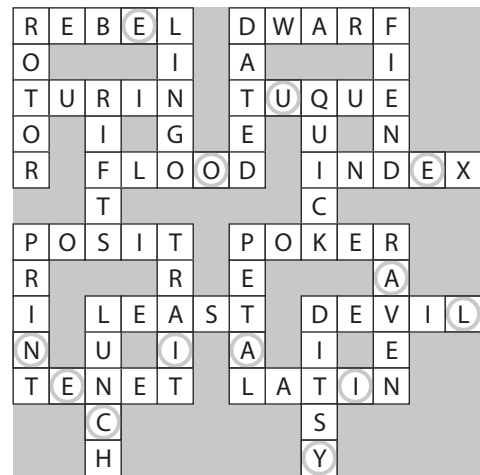
C R O  
K N O  
N E X  
O V A  
O U Z  
S T A  
S T I  
T I M  
W A  
Z A M  
A R I  
B L O  
C L A  
E V O  
I R O  
L O T  
M I M  
S A



### C8-9. Jigsaw Puzzle (15, 27 points)

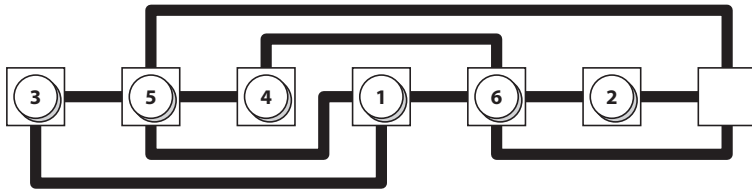


### C7. Crisscross (17 points)

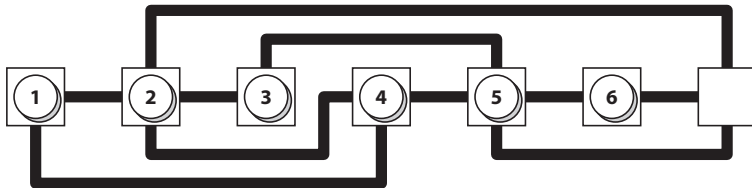


D A T E D  
D E V I L  
D I T S Y  
D W A R F  
F I E N D  
F L O O D  
I N D E X  
L A T I N  
L E A S T  
L I N G O  
L U N C H  
P E T A L  
P O K E R  
P O S I T  
P R I N T  
Q U I C K  
R A V E N  
R E B E L  
R I F T S  
R O T O R  
T E N E T  
T R A I T  
T U Q U E  
T U R I N

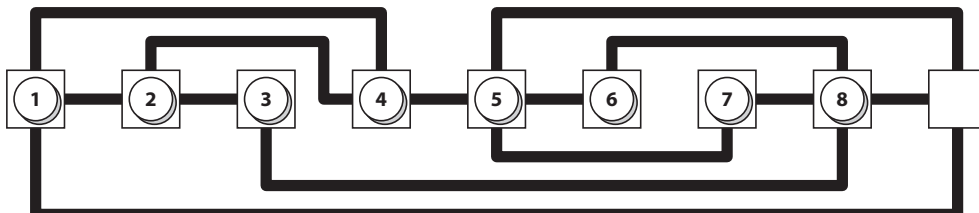
### C10-11. Sliding Blocks (18, 48 points)



10 → 2 6 4 5 3 1 4 5 3 2



11 → 5 4 1 2 3 7 6 4 1 2 3 8 6 5



7 → N E C E I O A U Y I A E L



### C12-13. Crack the Code (33, 63 points)

$\triangle > \bigcirc \square \blacklozenge = R\_$   
 $\bigcirc > \square \blacklozenge \triangle = T\_$   
 $\square > \blacklozenge \triangle \bigcirc = D\_$   
 $\blacklozenge > \triangle \bigcirc \square = L\_$

$\text{white blob} \text{white blob} \text{white blob} \text{black blob} \text{black blob} = \_O\_$   
 $\text{white blob} \text{white blob} \text{black blob} \text{black blob} \text{black blob} = \_A\_$   
 $\text{white blob} \text{black blob} \text{black blob} \text{black blob} \text{black blob} = \_E\_$

$\text{blob} \text{blob} \text{blob} = \_N$

$\text{blob} \text{blob} \text{blob} = \_H$

$\text{blob} \text{blob} \text{blob} = \_Y$

12a →

$\begin{matrix} \triangle & \blacklozenge & \square \\ \bigcirc & \blacklozenge & \triangle \end{matrix} \begin{matrix} \bigcirc & \blacklozenge \\ \square & \blacklozenge & \triangle \end{matrix} = \text{LONDON}$

12b →

$\begin{matrix} \blacklozenge & \bigcirc & \blacklozenge \\ \bigcirc & \bigcirc & \blacklozenge \end{matrix} \begin{matrix} \triangle & \bigcirc \\ \blacklozenge & \square & \triangle \end{matrix} = \text{TEHRAN}$

12c →

$\begin{matrix} \triangle & \square \\ \blacklozenge & \bigcirc & \square \end{matrix} \begin{matrix} \blacklozenge & \bigcirc & \square \\ \bigcirc & \bigcirc & \triangle \end{matrix} = \text{DAYTON}$

$\text{blob} = R\_$   
 $\text{blob} \text{blob} = G\_$   
 $\text{blob} \text{blob} \text{blob} = P\_$   
 $\text{blob} \text{blob} \text{blob} \text{blob} = C\_$

$\text{black blob} > \text{white blob} = \_O\_$   
 $\text{black blob} = \text{white blob} = \_E\_$   
 $\text{black blob} < \text{white blob} = \_I\_$

X	Y	Z
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$X=Y=Z = \_T$

$X \neq Y=Z = \_P$

$X=Y \neq Z = \_N$

$X=Z \neq Y = \_R$

13a →

$\begin{matrix} \square & \bigcirc & \square \\ \bigcirc & \blacklozenge & \triangle \end{matrix} \begin{matrix} \triangle \end{matrix} = \text{CITRON}$

13b →

$\begin{matrix} \bigcirc & \blacklozenge \\ \blacklozenge & \blacklozenge & \triangle \end{matrix} \begin{matrix} \bigcirc & \blacklozenge & \triangle \\ \blacklozenge & \triangle & \bigcirc \end{matrix} = \text{COPPER}$

13c →

$\begin{matrix} \triangle & \square \\ \blacklozenge & \blacklozenge & \triangle \end{matrix} \begin{matrix} \blacklozenge & \triangle \\ \blacklozenge & \blacklozenge \end{matrix} = \text{GINGER}$

### C14-15. Double Minesweeper (43, 91 points)

14a →

3	5	●	5	●		2	●	●	1
●	●		●	4		4			2
●		5		5	●	●	3		●
2	3		●		3		●		2
		●	5		●		4	7	●
●	4	7	●		●	6	●		●
4	●		●	6		●		4	2
●		6	●		3	●	6		
3		●	6		5		●	●	●
2	●	●	5	●	●	3		4	3

15a →

15b →

	3	4		3	3	●		4	●
2	●	●	●		●	5	●	●	4
4			4	6	●		6	●	
●		6	●		4	●		2	●
5	●	8	●	●		3			3
4	●	●	7	●		●	5	●	4
●	5		●	6			8	●	
●		3	●	●	4	4	●	●	3
4			6	●		●	●		2
●	2		●	3	5	●	4	2	●