<table>
<thead>
<tr>
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</tr>
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<td>15</td>
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<tr>
<td>Fences</td>
<td>20</td>
</tr>
<tr>
<td>Half Dominoes</td>
<td>30</td>
</tr>
<tr>
<td>Domino Hunt</td>
<td>30</td>
</tr>
<tr>
<td>End View</td>
<td>15</td>
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<tr>
<td>Mastermind</td>
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<tr>
<td>Skyscrapers</td>
<td>15</td>
</tr>
<tr>
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<td>30</td>
</tr>
</tbody>
</table>
1. Crack it On 15 points

Enter all the given words into the two grids in such a way that each area contains exactly one letter. The words should read across and down in every row and column of each grid.

AMELI  BUVEL  IKUAL  KIDLO  MARTA  ROFAE
ARTUI  DERIM  IUZAT  KUIDI  Matri  RTUME
ATAIE  ERAIF  IZTAV  LADAE  MUAOP  TOUDU
AURAI  ERTUP  KAMAR  LEZIA  OIDIE  UKATO
AZERD  ETRIA  KARAZ  LIRIM  OUREL  UTOPA
BOKER  IAPEL  KAREI  LIZAE  RATAK  VUARO
2. Fences  

Draw a single continuous loop by connecting neighboring dots horizontally or vertically (but not diagonally). A numbered square indicates exactly how many of its four edges are used in the loop.
3. Half Dominoes

Put the nine half dominoes into the puzzle grid in a way that the sum of the dots in the rows, columns and diagonals is equal to the clues outside the grid. The pieces may not be rotated or mirrored.
4. Domino Hunt 30 points

A complete domino set (28 dominos from 0-0 to 6-6) has been placed in the grid. The sides of the dominoes have been erased and the spots have been replaced by numbers. Draw the edges of the dominoes in the grid.

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<th>2</th>
<th>0</th>
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<th>6</th>
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<tbody>
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<td>1</td>
<td>6</td>
<td>5</td>
</tr>
</tbody>
</table>
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5. End View  

15 points

Fill in the letters $A$, $B$, $C$, and $D$, in the diagram. Each letter occurs once in each row and column. The letters outside the diagram indicate the first letter you come across from that direction.
6. Mastermind 30 points

(5 points for the solution to one puzzle, 15 points for two puzzles)

Find out the correct configuration of digits. The number of black
dots of a row shows the number of digits of that row that are in the
correct position; the number of white dots shows how many other digits
are correct, but in the wrong position. The same digit (0-9) can occur
more than once.

17574 • 90136 ••• 58219 •
12540 ••• 30718 •• 64017 ••
21599 •••• 89356 ••• 90534 •
93786 • 01698 •• 82761 ••
31320 ••• 83549 ••• 19465 ••
7. Battleships  

The grid represents a part of the ocean in which a fleet of ten ships is hiding (one ship of length 4, two ships of length 3, three ships of length 2, four ships of length 1). The ships may be oriented horizontally or vertically, and no two ships can occupy adjacent cells, not even diagonally. The digits indicate the number of cells in the corresponding rows and columns that are occupied by parts of ships.
8. Puzzles Mess 25 points

Below is a list of 21 puzzles, some of them being shortened. Fit 20 of the words into the crisscross grid reading across and down. One will be left over. You must give the missing word \textit{and} complete the grid in order to get credit for this puzzle.

\begin{itemize}
\item ARCHIP
\item CRACKI
\item FENCES
\item MAGNET
\item PAINTR
\item ZIGZAG
\item ARROWS
\item DOMAIN
\item HIROIM
\item MINESW
\item PENTOM
\item BALANC
\item DOMINO
\item HONEYC
\item MIRROR
\item SKYSRC
\item BATTLE
\item EASYAS
\item LIGHTH
\item MUSEUM
\item SPOKES
\end{itemize}
9. Paint it Black 60 points

The numbers outside the grid indicate the sizes of all maximal blocks of consecutive black squares in the corresponding rows or columns, in the order in which they occur. Rebuild the picture.
10. Star Battle  

Place two stars, the size of one square, in each column, each row, and each black-edged region of the grid. The stars do not touch each other, not even diagonally. The black squares do not contain a star.
11. Skyscrapers  

15 points

The grid symbolizes a group of skyscrapers. Each row and column contains skyscrapers of different heights (1-6). The numbers outside the grid indicate how many skyscrapers are visible from that direction (a building located behind a taller one in the same row is completely hidden).
12. Magic Squares  

Fill digits 1-9 into the grid in such a way that every digit appears once in each row, each column, and each black-edged region.