A close up of a logo

Description automatically generated

**Geometry Rescue**

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| |  |  | | --- | --- | | Student Name: |  | |  |  | | Teacher Name: |  | |  |  | | Team Name: |  | |  |  | |
| **Werklund School of Education June 18, 2019** |

Example Transformation Sheet

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Move | Details |  | Name | Explanation |
|  | 4 |  | Vertical Translation | Shape is moved 4 units down |
|  | 3 |  | Horizontal Translation | Shape is moved 3 units to the right |
|  | Axis |  | Reflection | Shape is reflected in Axis (horizontally) |
|  | Axis |  | Reflection | Shape is reflected in Axis (vertically) |
|  |  |  | Reflection | Shape is reflected (vertically) in parallel line to axis,  line is |
|  |  |  | Rotation counter clockwise | Shape is rotated counter clockwise about the  origin |
|  |  |  | Rotation clockwise | Shape is rotated clockwise about the origin |
|  |  |  | Rotation counter clockwise | Shape is rotated counter clockwise about the  point |

Rules and Examples

|  |
| --- |
| Move the Shape |
| Move the shape from START to EXIT. |
|  |
| Move Menu |
| Use the Move Menu.    You have a **limited number** of moves, so choose wisely. You do not have to use all moves. |
|  |
| Play! |
| Write down your moves **here**, and use the Example Transformation Sheet for details and help.    Moves have symbols. Also, fill in details for each move.  4 |
|  |
| Collect Points & Avoid Obstacles |
| A picture containing vector graphics  Description automatically generatedCollect points , and avoid obstacles such as OR in each level.    Touch with your  shape to get **+1**.  **START** |
|  |
| Scoring & Medals |
| There are Bronze, Silver, Gold, and Diamond scores in each level. Circle your medals! |
|  |
| Team Name |
| This is a 2 player game. Write down your team name.  Right pointing backhand index Right pointing backhand index   |  |  | | --- | --- | | Team Name: |  | |

Level 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [Name]

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|  |  |  |  |  |  |  |  |  | 4 |  |  |  |  | **EXIT** |  |  |  |  |  |
|  | **START** |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  |  |  |
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| -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|  |  |  |  |  |  |  |  |  | -1 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -2 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -3 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -4 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -5 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -6 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -7 |  |  |  |  |  |  |  |  |  |  |
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| Move Menu | | | |  | Legend | | |
|  | 5 Translations (Up, Down, Right, Left)   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | | | |  | **START** | | START; where you start the level |
|  | 2 Reflections ( Axis OR Axis)   |  |  | | --- | --- | |  |  | | | |  | **EXIT** | | EXIT; move your shape here to exit the level |
|  |  | | |  |  | | PICK UP; worth 1 point |
|  |  | | |  |  | |  |
| Scoring | | |  | | | Rules | |
| Bronze | | Reach the EXIT with score of at least +1 |  | | | To play Diamond level: Must earn Gold first.  Maximum number of moves: 5 | |
| Silver | | Reach the EXIT with score of at least +3 |  | | |
| Gold | | Reach the EXIT with a score of at least +5 |  | | |
| Diamond | | Reach the EXIT with score of 0 |  | | |

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| Move | Details |  |  | Move | Details |  |
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| Medal/Total | A picture containing businesscard  Description automatically generated |  |  | Medal/Total | A picture containing businesscard  Description automatically generated |  |

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| Move | Details |  |  | Move | Details |  |
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Level 2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [Name]

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|  | **START** |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  |  |  |
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| -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|  |  |  |  |  |  |  |  |  | -1 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -2 |  |  |  |  |  |  | **EXIT** |  |  |  |
|  |  |  |  |  |  |  |  |  | -3 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -4 |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | -6 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -7 |  |  |  |  |  |  |  |  |  |  |
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| Move Menu | | | |  | Legend | | |
|  | 4 Translations (Up, Down, Right, Left)   |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | | |  | **START** | | START; where you start the level |
|  | 2 Reflections ( Axis OR Axis)   |  |  | | --- | --- | |  |  | | | |  | **EXIT** | | EXIT; move your shape here to exit the level |
|  |  | | |  |  | | PICK UP; worth 1 point |
|  |  | | |  |  | | HAZARD; hit this and lose the level |
| Scoring | | |  | | | Rules | |
| Bronze | | Reach the EXIT with score of at least +1 |  | | | To play Diamond level: Must earn Gold first.  Maximum number of moves: 4 | |
| Silver | | Reach the EXIT with score of at least +4 |  | | |
| Gold | | Reach the EXIT with a score of at least +5 |  | | |
| Diamond | | Reach the EXIT with score of 0 |  | | |

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| Move | Details |  |  | Move | Details |  |
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Level 3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [Name]

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|  |  |  |  |  |  |  |  |  | 4 |  |  |  |  |  |  |  |  |  |  |
|  | **START** |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  | **EXIT** |  |  |  |
|  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |
| -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|  |  |  |  |  |  |  |  |  | -1 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -2 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -3 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -4 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -5 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -6 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -7 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -8 |  |  |  |  |  |  |  |  |  |  |
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| Move Menu | | | |  | Legend | | |
|  | 4 Translations (Up, Down, Right, Left)   |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | | |  | **START** | | START; where you start the level |
|  | 1 Reflection ( Axis)   |  | | --- | |  | | | |  | **EXIT** | | EXIT; move your shape here to exit the level |
|  | 1 Rotation   |  | | --- | |  | | | |  |  | | PICK UP; worth 1 point |
|  |  | | |  |  | | HAZARD; hit this and lose the level |
| Scoring | | |  | | | Rules | |
| Bronze | | Reach the EXIT |  | | | To play Diamond level: Must earn Gold first.  Maximum number of moves: 4 | |
| Silver | | Reach the EXIT with score of at least +2 |  | | |
| Gold | | Reach the EXIT with a score of at least +3 |  | | |
| Diamond | | Rotate around the origin as one of your moves |  | | |

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| Move | Details |  |  | Move | Details |  |
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Level 4: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [Name]

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|  |  |  |  |  |  |  |  |  | 7 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 6 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 5 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 4 |  |  |  |  |  |  |  |  |  |  |
|  | **START** |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |
| -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|  |  |  |  |  |  |  |  |  | -1 |  |  |  |  |  |  | **EXIT** |  |  |  |
|  |  |  |  |  |  |  |  |  | -2 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -3 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -4 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -5 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -6 |  |  |  |  |  |  |  |  |  |  |
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| Move Menu | | | |  | Legend | | |
|  | 4 Translations (Up, Down, Right, Left)   |  |  | | --- | --- | |  |  | | | |  | **START** | | START; where you start the level |
|  | 2 Reflections ( Axis OR Axis)   |  |  | | --- | --- | |  |  | | | |  | **EXIT** | | EXIT; move your shape here to exit the level |
|  | 1 Rotation   |  | | --- | |  | | | |  |  | | PICK UP; worth 1 point |
|  |  | | |  |  | | HAZARD; hit this and lose the level |
| Scoring | | |  | | | Rules | |
| Bronze | | Reach the EXIT |  | | | To play Diamond level: Must earn Gold first.  Maximum number of moves: 4 | |
| Silver | | Reach the EXIT with score of at least +2 |  | | |
| Gold | | Reach the EXIT with a score of at least +3 |  | | |
| Diamond | | Reach the EXIT in one move |  | | |

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| Move | Details |  |  | Move | Details |  |
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| Medal/Total | A picture containing businesscard  Description automatically generated |  |  | Medal/Total | A picture containing businesscard  Description automatically generated |  |

Level 5: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [Name]

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|  |  |  |  |  |  |  |  |  | 9 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 8 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 7 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 6 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 5 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 4 |  |  |  |  |  |  |  |  |  |  |
|  | **START** |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |
| -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|  |  |  |  |  |  |  |  |  | -1 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -2 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -3 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -4 |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | -7  **EXIT** |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -8 |  |  |  |  |  |  |  |  |  |  |
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| Move Menu | | | |  | Legend | | |
|  | 3 Translations (Up, Down, Right, Left)   |  |  |  | | --- | --- | --- | |  |  |  | | | |  | **START** | | START; where you start the level |
|  | 1 Reflection ( Axis)   |  | | --- | |  | | | |  | **EXIT** | | EXIT; move your shape here to exit the level |
|  | 1 Reflection ( Axis)   |  | | --- | |  | | | |  |  | | PICK UP; worth 1 point |
|  | 3 Rotations (clockwise OR counter clockwise)   |  |  |  | | --- | --- | --- | |  |  |  | | | |  |  | | HAZARD; hit this and lose the level |
| Scoring | | |  | | | Rules | |
| Bronze | | Reach the EXIT |  | | | To play Diamond level: Must earn Gold first.  Maximum number of moves: 4 | |
| Silver | | Reach the EXIT with score of at least +1 |  | | |
| Gold | | Reach the EXIT with a score of at least +2 |  | | |
| Diamond | | Rotate around a point other than and get +1 points |  | | |

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Level 6: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [Name]

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|  | **START** |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |
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| -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|  |  |  |  |  |  |  |  |  | -1 |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | -6 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **EXIT** |  |  |  |  | -7 |  |  |  |  |  |  |  |  |  |  |
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| Move Menu | | | |  | Legend | | |
|  | 3 Translations (Up, Down, Right, Left)   |  |  |  | | --- | --- | --- | |  |  |  | | | |  | **START** | | START; where you start the level |
|  | 1 Reflection ( Axis)   |  | | --- | |  | | | |  | **EXIT** | | EXIT; move your shape here to exit the level |
|  | 1 Reflection ( Axis)   |  | | --- | |  | | | |  |  | | PICK UP; worth 1 point |
|  | 3 Rotations (clockwise OR counter clockwise)   |  |  |  | | --- | --- | --- | |  |  |  | | | |  |  | |  |
| Scoring | | |  | | | Rules | |
| Bronze | | Reach the EXIT |  | | | To play Diamond level: Must earn Gold first.  Maximum number of moves: 3 | |
| Silver | | Reach the EXIT with score of at least +1 |  | | |
| Gold | | Use no rotations and get a score of at least +1 |  | | |
| Diamond | | Use no reflections and get a score of +2 |  | | |

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| Medal/Total | A picture containing businesscard  Description automatically generated |  |  | Medal/Total | A picture containing businesscard  Description automatically generated |  |

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| Medal/Total | A picture containing businesscard  Description automatically generated |  |  | Medal/Total | A picture containing businesscard  Description automatically generated |  |

Level 7: Owls

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|  | A picture containing vector graphics  Description automatically generated |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  |  |  |
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| A picture containing vector graphics  Description automatically generated |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  | A picture containing vector graphics  Description automatically generated |  |  |  |  |  |  | 6 |  |  |  | A picture containing vector graphics  Description automatically generated |  | A picture containing vector graphics  Description automatically generated |  |  |  |  |
|  |  | A picture containing vector graphics  Description automatically generated |  |  |  |  |  |  | 5 |  |  |  | A picture containing vector graphics  Description automatically generated |  |  |  |  |  |  |
|  |  |  |  | A picture containing vector graphics  Description automatically generated |  |  |  |  | 4 |  |  | A picture containing vector graphics  Description automatically generated |  |  |  | A picture containing vector graphics  Description automatically generated |  | A picture containing vector graphics  Description automatically generated |  |
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| -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1  **START** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|  | A picture containing vector graphics  Description automatically generated |  |  |  |  |  |  |  | -1 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -2 |  |  |  |  |  |  |  |  |  |  |
|  | A picture containing vector graphics  Description automatically generated |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -4 |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | -6 |  |  |  |  |  | A picture containing vector graphics  Description automatically generated | A picture containing vector graphics  Description automatically generated |  |  |  |
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|  | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 |  |  |  | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | -9 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | A picture containing vector graphics  Description automatically generatedSmall ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 |

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| Move Menu | | | |  | Legend | | |
|  | 4 Translations (Up, Down, Right, Left)   |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | | |  | **START** | | START; where you start the level |
|  | 2 Reflection ( Axis OR chosen line)   |  |  | | --- | --- | |  |  | | | |  | **EXIT** | | EXIT; move your shape here to exit the level |
|  |  | | |  |  | | PICK UP; worth 1 point |
|  |  | | |  | A picture containing vector graphics  Description automatically generated | | EVIL OWL; avoid or loose level |
| Scoring | | |  | | | Rules | |
| Bronze | | ----- |  | | | To play Diamond level: Must earn Gold first.  Maximum number of moves: 3 | |
| Silver | | Reach the EXIT with a score of at least +3 |  | | |
| Gold | | Reach the EXIT using a reflection |  | | |
| Diamond | | Reach the EXIT in two moves, and use reflection about a chosen line |  | | |

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Level 8: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [Name]

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|  | **START** |  |  |  |  |  |  |  | 9 |  |  |  |  |  |  |  |  |  |  |
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| -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
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|  | **EXIT** |  |  |  |  |  |  |  | -6 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -7 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -8 |  |  |  |  |  |  |  |  |  |  |
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| Move Menu | | | |  | Legend | | |
|  | 4 Translations (Up, Down, Right, Left)   |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | | |  | **START** | | START; where you start the level |
|  | 1 Reflection ( Axis)   |  | | --- | |  | | | |  | **EXIT** | | EXIT; move your shape here to exit the level |
|  | 1 Reflection ( Axis)   |  | | --- | |  | | | |  |  | | PICK UP; worth 1 point |
|  | 3 Rotations (clockwise OR counter clockwise)   |  |  |  | | --- | --- | --- | |  |  |  | | | |  |  | | HAZARD; hit this and lose the level |
| Scoring | | |  | | | Rules | |
| Bronze | | Reach the EXIT |  | | | To play Diamond level: Must earn Gold first.  Maximum number of moves: 5 | |
| Silver | | Reach the EXIT with score of at least +1 |  | | |
| Gold | | Reach the EXIT with a score of +3 |  | | |
| Diamond | | Reach the EXIT with score of +4 |  | | |

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| Medal/Total | A picture containing businesscard  Description automatically generated |  |  | Medal/Total | A picture containing businesscard  Description automatically generated |  |

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Level 9: Blast Off

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| -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
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|  |  | **START** |  |  |  |  |  |  | -7 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -8 |  |  |  |  |  |  |  |  |  |  |
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| Move Menu | | | |  | Legend | | |
|  | 3 Translations (Up, Down, Right, Left)   |  |  |  | | --- | --- | --- | |  |  |  | | | |  | **START** | | START; where you start the level |
|  | 2 Reflection ( Axis)   |  |  | | --- | --- | |  |  | | | |  | **EXIT** | | EXIT; move your shape here to exit the level |
|  | 1 Reflection ( Axis)   |  | | --- | |  | | | |  |  | | PICK UP; worth 1 point |
|  | 1 Rotation: , , or around or any point   |  | | --- | |  | | | |  |  | | HAZARD; hit this and lose the level |
| Scoring | | |  | | | Rules | |
| Bronze | | Reach the EXIT |  | | | To play Diamond level: Must earn Gold first.  Maximum number of moves: 3 | |
| Silver | | Reach the EXIT with score of at least +2 |  | | |
| Gold | | Reach the EXIT with two moves |  | | |
| Diamond | | Use one rotation about a point and two reflections |  | | |

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| Medal/Total | A picture containing businesscard  Description automatically generated |  |  | Medal/Total | A picture containing businesscard  Description automatically generated |  |

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| Medal/Total | A picture containing businesscard  Description automatically generated |  |  | Medal/Total | A picture containing businesscard  Description automatically generated |  |

Level 10: Splash

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|  |  |  |  |  |  |  |  | A close up of a logo  Description automatically generated | 9 |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | 6 |  | A close up of a logo  Description automatically generated |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  | **EXIT** |  |  |
| -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|  |  |  |  |  |  |  |  |  | -1 |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  | A close up of a logo  Description automatically generated |  |  |  | A close up of a logo  Description automatically generated | -4 |  |  |  | A close up of a logo  Description automatically generated |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | -6 |  |  | **START** |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -7 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -8 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 |  | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | -9 |  | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 | Small ocean waves icon. Cartoon illustration of small ocean waves vector icon for web Stock Vector - 64581484 |

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| Move Menu | | | |  | Legend | | |
|  | 4 Translations (Up, Down, Right, Left)   |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | | |  | **START** | | START; where you start the level |
|  | 2 Reflections   |  |  | | --- | --- | |  |  | | | |  | **EXIT** | | EXIT; move your shape here to exit the level |
|  | 2 Rotations (clockwise OR counter clockwise)   |  |  | | --- | --- | |  |  | | | |  |  | | PICK UP; worth 1 point |
|  |  | | |  | A close up of a logo  Description automatically generated | | WAVE; hit it and drown (lose the level) |
| Scoring | | |  | | | Rules | |
| Bronze | | Reach the EXIT |  | | | To play Diamond level: Must earn Gold first.  Maximum number of moves: 5 | |
| Silver | | Reach the EXIT with score of at least +5 |  | | |
| Gold | | Reach the EXIT using two reflections |  | | |
| Diamond | | Reach the EXIT using two reflections across two lines other than and Axes |  | | |

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Level 11:

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|  |  |  |  |  |  |  |  |  | 9 |  |  |  |  |  |  |  |  |  | **EXIT** |
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| -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
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| **START** |  |  |  |  |  |  |  |  | -7 |  |  |  |  |  |  |  |  |  |  |
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| Move Menu | | | |  | Legend | | |
|  | 4 Translations (Up, Down, Right, Left)   |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | | |  | **START** | | START; where you start the level |
|  | 2 Reflections   |  |  | | --- | --- | |  |  | | | |  | **EXIT** | | EXIT; move your shape here to exit the level |
|  | 3 Rotations (clockwise OR counter clockwise)   |  |  |  | | --- | --- | --- | |  |  |  | | | |  |  | | PICK UP; worth 1 point |
|  |  | | |  |  | | HAZARD; hit this and lose the level |
| Scoring | | |  | | | Rules | |
| Bronze | | --- |  | | | To play Diamond level: Must earn Gold first.  Maximum number of moves: 9 | |
| Silver | | Reach the EXIT |  | | |
| Gold | | Reach the EXIT with a score of at least +1 |  | | |
| Diamond | | Reach the EXIT in five moves or less |  | | |

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Bonus Level 1: Create Your Own

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| -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|  |  |  |  |  |  |  |  |  | -1 |  |  |  |  |  |  |  |  |  |  |
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| Move Menu | | | |  | Legend | | |
|  |  | | |  | **START** | | START; where you start the level |
|  |  | | |  | **EXIT** | | EXIT; move your shape here to exit the level |
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| Scoring | | |  | | | Rules | |
| Bronze | |  |  | | |  | |
| Silver | |  |  | | |  | |
| Gold | |  |  | | |  | |
| Diamond | |  |  | | |  | |

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Bonus Level 2: Create Your Own

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| -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
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| Move Menu | | | |  | Legend | | |
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|  |  | | |  |  | | EXIT; move your shape here to exit the level |
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| Scoring | | |  | | | Rules | |
| Bronze | |  |  | | |  | |
| Silver | |  |  | | |  | |
| Gold | |  |  | | |  | |
| Diamond | |  |  | | |  | |

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