## Rule

Place the given number of mines into the empty cells, so that each digit represents the number of mines in the 8 neighbouring cells.

Answer Key format: For each marked row, enter the number of "mines".


10mines

-     * 



1
Introduction 2 points

2

Introduction
3 points

## 10mines



Rule
Place the given number of mines into the empty cells, so that each digit represents the number of mines in the 8 neighbouring cells.

Answer Key format: For each marked row, enter the number of "mines".



4

Intermediate 6 points

## Rule

Place the given number of mines into the empty cells, so that each digit represents the number of mines in the 8 neighbouring cells.

Answer Key format: For each marked row, enter the number of "mines".
5

Challenging 7 points

| 1 |  |  |  |  | 1 | 2 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 3 |  |  |  |  |  |  | 2 | 2 |  |
|  |  | 3 | 3 |  |  |  |  |  | 2 |
| 2 | 2 |  |  |  |  | 2 | 2 |  | 1 |
|  |  |  | 0 | 1 |  |  |  |  |  |
|  |  |  |  |  | 1 | 2 |  |  |  |
| 2 |  | 3 | 2 |  |  |  |  | 4 | 2 |
| 2 |  |  |  |  |  | 2 | 3 |  |  |
|  | 2 | 4 |  |  |  |  |  |  | 3 |
|  |  |  | 1 | 3 |  |  |  |  | 1 |

## 25mines



## 20mines



| 1 | 3 | 3 | 2 | 2 |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 1 |  |  |  |  |  |
| 1 | 1 | 2 | 1 | 3 |  |
| 3 | 2 | 4 | 1 | 1 |  |
| 4 | 2 | 2 | 2 | 1 |  |
| 2 | 2 | 3 | 3 | 1 |  | ,

Solved Example for Exploratory puzzles


Answer Key format: For each marked row, enter the number of "mines".

|  |  |  |  | 0 | 1 |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  | 1 |  |  | 2 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  | 2 |  |  |  |  | 1 |  |  |
| 1 | 3 |  |  |  |  |  |  | 1 |  |
| 1 |  |  |  | 2 | 2 |  |  |  | 2 |
|  | 1 |  |  | 3 | 3 |  |  |  | 1 |
|  |  | 1 |  |  |  |  | 1 |  |  |
|  |  |  | 2 |  |  | 2 |  |  |  |
|  |  |  |  | 3 | 2 |  |  |  |  |

7
Exploratory 10 points


Rule
Place the given number of mines into the empty cells, so that each digit represents the number of mines in the 8 neighbouring cells.

Answer Key format: For each marked row, enter the number of mines.

|  | -* | - |  | - |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| - * | 4 | 2 | 2 | 3 | $\bigcirc$ |
|  | 2 |  |  | 2 | - |
|  |  | ${ }^{*}$ |  | 1 |  |
|  | 3 | 2 | 2 | 0 |  |
| $\bigcirc$ |  | - |  |  |  |


| ${ }^{*}$ | 2 | - | - | 2 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 |  |  |  | - | 2 |
|  | ${ }^{*}$ | 1 | 1 |  | - |
|  |  | 2 | 1 |  |  |
| 0 |  |  | -* |  | 1 |
|  |  | $\bigcirc$ | -* | 3 |  |



| 1 |  |  | 2 |  | 2 | $\bullet$ | 2 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Place the given number of mines into the empty cells, so that each digit represents the number of mines in the 8 neighbouring cells.

Answer Key format: For each marked row, enter the number of mines.

|  | - |  |  |  | 1 | 2 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 |  | $\bigcirc$ | - |  | - |  | 2 |  | $\bigcirc$ |
| ${ }^{*}$ |  | 3 |  | ${ }^{*}$ |  | $\cdots$ |  |  | 2 |
| 2 | 2 |  |  |  | ${ }^{*}$ | 2 | 2 | -* | 1 |
|  |  |  | 0 | 1 |  |  |  |  |  |
|  |  |  |  |  | 1 | 2 | - |  |  |
| 2 | - | 3 | 2 | ${ }^{*}$ |  |  | ${ }^{*}$ | 4 | 2 |
| 2 |  |  | ${ }^{*}$ |  |  | 2 |  |  | - |
|  | 2 | 4 | - |  | ${ }^{*}$ |  |  | - * | 3 |
|  | $\stackrel{*}{*}$ |  |  |  |  |  |  |  |  |


| 1 | - | 3 | $\sim^{*}$ | 3 | $\sim^{*}$ | 2 |  | 2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | - |  |  |  |  |  |
| 1 |  | 1 |  | 2 |  | 1 |  | 3 |
| ${ }^{\circ}$ |  |  |  | 0 |  |  |  | - |
| 3 |  | 2 | - | 4 | - | 1 |  | 1 |
| -* | $\sim$ |  |  | ${ }^{*}$ |  |  |  |  |
| 4 |  | 2 |  | 2 |  | 2 |  | 1 |
| -* | - * |  |  |  | - |  | ${ }^{*}$ |  |
| 2 |  | 2 | ${ }^{*}$ | 3 | $\sim_{*}^{*}$ | 3 |  | 1 |



