

# 30 Rails

A solitaire pencil and paper game of building railway networks.

## Required

- 1 game sheet
- 1 pen or pencil
- 1 white 6-sided die
- 1 coloured 6-sided die

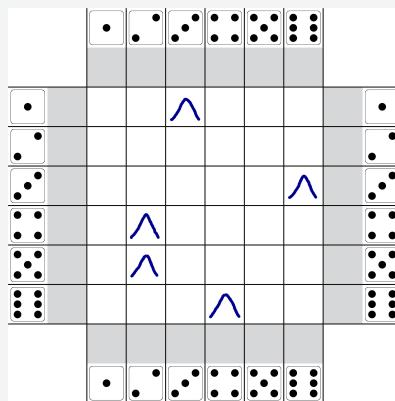
## Setup

Roll the white die 6 times, once for each row of the "map". Draw a mountain symbol in the column corresponding to the number on the die. One die roll may be ignored, and a mountain is not drawn in this row.

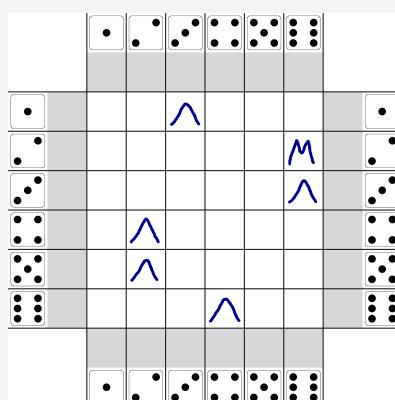
Select one space that is orthogonally adjacent to a mountain and write a letter "M" in that space. This represents a mine.

Write each of the numbers from 1 to 4 in one of the grey squares around the edge of the map. One number must be written on each of the four sides of the map. Each number represents a station. You will score more for connecting the higher numbered stations.

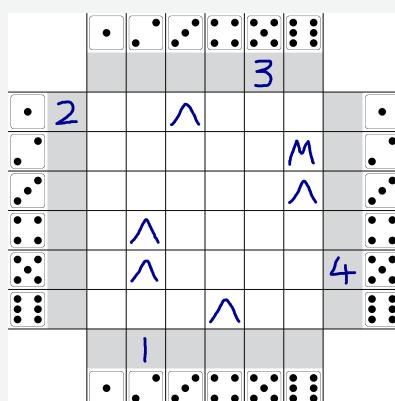
Example. Rolls were 3, 2 (skipped), 6, 2, 2, 4:



Example:



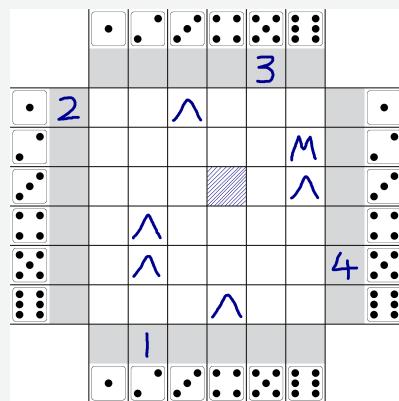
Example:



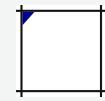
## Setup (continued)

Highlight one "bonus" square on the map, within the 6x6 white area in the centre. This may be by lightly shading; by marking a corner; or by drawing around the outline.

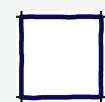
Example:



Or:



Or:



## Overview

The main rules will describe the basic game for one player. For multiplayer rules and the advanced game, see the final page of the rules.

The game consists of 30 turns. Each turn, roll both dice. The white die indicates a row or column and the coloured die indicates a track type. Draw the track on the map. When the map is complete, calculate your score. You score for each completed railway line that connects 2 stations, with extra points for passing through the bonus square. Longer lines score more, and connecting higher numbered stations scores more. In addition, you score for each station that is connected to the mine.

## Turn Sequence

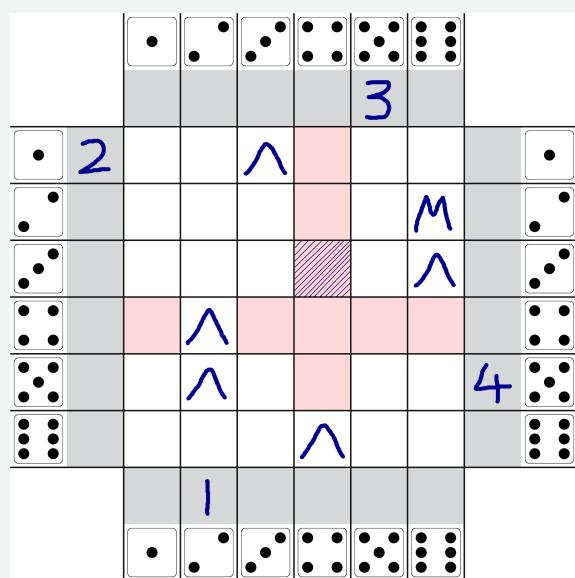
Roll both dice.

Draw the selected track in the selected square of your game sheet.

## White die

The white die indicates a row or column for the track. Select any empty square in either the row or the column corresponding to the value on the die. If every square in the indicated row and column is already filled, you may select any empty square on the map.

Example. A 4 is rolled on the white die. The track may be placed in any of the shaded squares:

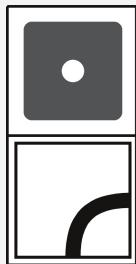


## Coloured Die

The coloured die indicates the type of track that must be drawn.

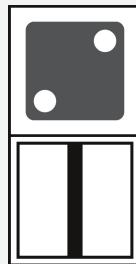
### 1. Curve

Draw a  $90^\circ$  curve. It may be oriented in any direction.



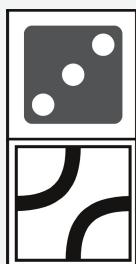
### 2. Straight

Draw a straight. It may run north-south or east-west.



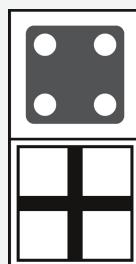
### 3. Double Curve

Draw two opposing  $90^\circ$  curves. They must not be connected. They may be oriented in any direction.



### 4. Crossover

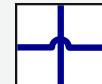
Draw a crossover. This consists of 2 straights at right-angles. The two tracks are separate and do not meet. One passes over the other via a bridge.



Or:

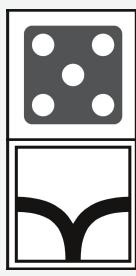


Or:



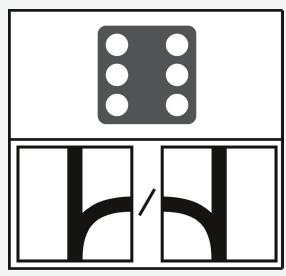
### 5. Y junction

Draw two  $90^\circ$  curves, joined at one edge. The junction may be oriented in any direction. Any railway line that passes through this square may use either the left or right branch.



### 6. Junction

Draw a junction. It may be oriented in any direction. Any railway line that passes through this square may use either the straight or the curve.

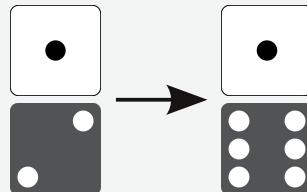


## Overrides

Twice during the game you may override the rolled value of a die and use any value of your choice. This may be done once for the white die and once for the coloured die. The two overrides may both be done on the same turn, or each on separate turns.

When an override is used, cross out the corresponding die symbol in the "Overrides" section of the board.

Example. A coloured 2 is converted to a 6.



## Game End

After 30 turns, the map should be completely filled. Scoring now takes place. Rate your score as follows:

40+ Okay

50+ Good

60+ Excellent

## Scoring

Check each pair of stations listed in the scoring section of the game sheet.

If the stations are connected by a continuous line, that pair of stations is scored. Only direct routes are counted; it is not permitted to reverse at a junction or to go via an intermediate station.

It is not permitted for a line to pass over the same length of track twice. However, a line may pass through the same square twice via a crossover or double curve.

If the stations are connected, write the number indicated in the first column, e.g. connecting stations 1 and 3 to each other scores 2 points.

Count the number of squares the line passes through and write this number in the second column. If more than one route is possible, only the shortest is counted. If a route legally passes through the same square twice, the square is counted both times.

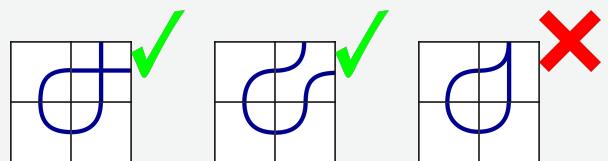
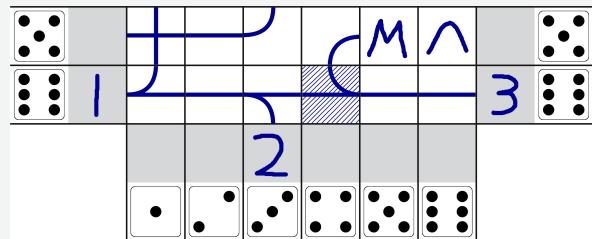
If the line passes through the "bonus" square, write "2" in the third column. If two routes are equally short, but one passes through the bonus square, the bonus is scored. The bonus is only counted once per line, even if the route passes through the bonus square twice.

Write the sum of the first three boxes in the final column.

Count the number of stations that are connected to the mine by a continuous line. Write the indicated number in the corresponding box, e.g. 3 connected stations score 12 points.

At the bottom, write the total of column 4 plus the score for the mine. This is the final score.

Example. Stations 2 and 3 are not connected, so line 2-3 does not score. Line 1-3 passes through 6 squares, including the bonus square. Only station 3 is connected to the mine.



(?)	□□	+2	Σ
1-2	1		
1-3	2		
2-3	3		

(?)	□□	+2	Σ
1-2	1	3	
1-3	2	6	
2-3	3		

(?)	□□	+2	Σ
1-2	1	3	
1-3	2	6	2
2-3	3		

(?)	□□	+2	Σ
1-2	1	3	4
1-3	2	6	2
2-3	3		

(?)	M	2	6	12	20
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Σ 20

## Multiplayer

30 Rails is suitable for any number of players. All players always use the same dice rolls, during setup and during the game, but each player makes their own decisions of where to place mountains, mine, stations, bonus space and track. Also, each player uses their overrides separately. If one player overrides a die, the value rolled is not affected for the other players. The player with the highest final score is the winner.

## Advanced Game

The advanced game is played on a slightly modified Gamesheet. The overrides have been removed and a "Shares" column has been added to the scoring section. The rules are the same as the basic game, except as follows:

### Gameplay

There are no overrides.

Instead of laying track, a player may choose to buy shares. In this case, take the highest of the two dice and write the value in any one square of the "Shares" column of the scoring section. If the selected square already has a value, add the new value to the existing one.

When buying shares, you must also nominate a square of the "map" that will never have track built on it. Draw an "X" in any space on the map. There is an icon above the "Shares" column to remind you of this.

Example. 2 and 5 were rolled.

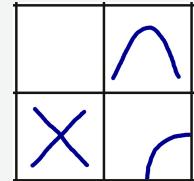


You may buy 5 "shares".

In this case they are added to 6 shares previously bought.


Diagram showing a 4x7 grid. The first three columns contain icons: a question mark, a 2x2 square, and a plus sign. The fourth column contains a grey box with '+2'. The fifth column contains the Greek letter Sigma (Σ). The sixth column contains a box with a '2' and a circled 'S'. The seventh column contains a circled '11'. Below the grid, there are two rows of circles containing numbers: '1' and '2' in the first row, and '1' in the second row.

An "X" is drawn on the map.



### Scoring

During scoring, for each row score the lowest of the "Sum" column and the "Shares" column. If there is no value in the "Shares" column, you score nothing for that line, whether or not the stations are connected.

The mine is scored as normal.

Example. Score 7 for the first row; 8 for the second row; and nothing for the third row.


Diagram showing a 4x7 grid. The first three columns contain icons: a question mark, a 2x2 square, and a plus sign. The fourth column contains a grey box with '+2'. The fifth column contains the Greek letter Sigma (Σ). The sixth column contains a box with a '2' and a circled 'S'. The seventh column contains a circled '11'. Below the grid, there are three rows of circles containing numbers: '1' and '2' in the first row, '1' and '3' in the second row, and '1' and '4' in the third row. The '1' in the first row is circled, and the '2' in the second row is circled.