

# SKI PATROL INSTRUCTIONS

Welcome to Ski Patrol! The rules are easy, so after a quick read, you'll be ready to hit the mountain faster than you can say "SHHHUUUSH!"

The object is to make it down the slalom ski course to the finish line. Skiing "slalom" means that you ski between each pair of gates on your way down the slope.

Like all MathDice games, you'll use the three Scoring Numbers at the start line to form math expressions. To make it through the course, you must create an expression that equals a number between the numbers shown on each pair of gates. You may not hit the number on the gates. Make it through all the gates cleanly, and you're a regular mountain mogul!



When you're finished, write down on your worksheet the number of gates you passed through. Then check the table below the challenge to determine how many MATHDICE POINTS you have earned, and fill in this number in the box in the lower right corner of the worksheet.

**BEGINNER LEVEL** - For beginner challenges, you may only use addition, subtraction, and multiplication in your math expressions.

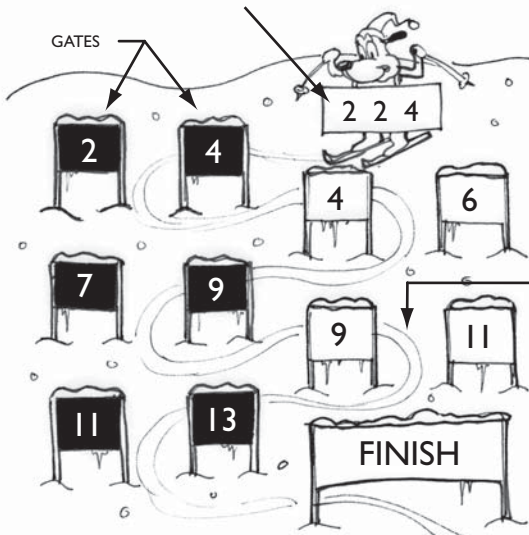
**INTERMEDIATE LEVEL** - For intermediate challenges, you may also use division.

**ADVANCED LEVEL** - For advanced challenges, you may also use exponents.

## EXAMPLE

### SCORING NUMBERS

Use these numbers to make your math expressions. In this example the scoring numbers are 2, 2, and 4.



**TARGET NUMBERS**  
Try and calculate a Target Number that falls between the two numbers shown on the gates. In this example, a good answer would be  $(2 \times 4) + 2 = 10$ .

### HOW TO KEEP SCORE

In this challenge you successfully found an equation to take you through each of the five gates. Mark down "5" Total Solved Gates in the space provided. Now, looking at the table below the challenge, note that you receive 3 MATHDICE POINTS for this effort. Write a "3" in the box labeled MATHDICE POINTS at the bottom of your worksheet.

NUMBER OF GATES	MATHDICE POINTS
5	3
4	2
3 or fewer	1

**Ski Patrol Worksheet**

GATE	EQUATION
1	$(4 + 2) \div 2 = 3$
2	$(2 \div 2) + 4 = 5$
3	$(2 \times 2) + 4 = 8$
4	$(2 \times 4) + 2 = 10$
5	$(2 + 4) \times 2 = 12$
<b>5</b>	<b>← TOTAL SOLVED GATES</b>

MATHDICE POINTS	<b>3</b>
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