MATHDICE®
SKI PATROL
How To Play

Your Goal:

Ski from the top of the course ot the bottom all the while staying *in between* the gates!
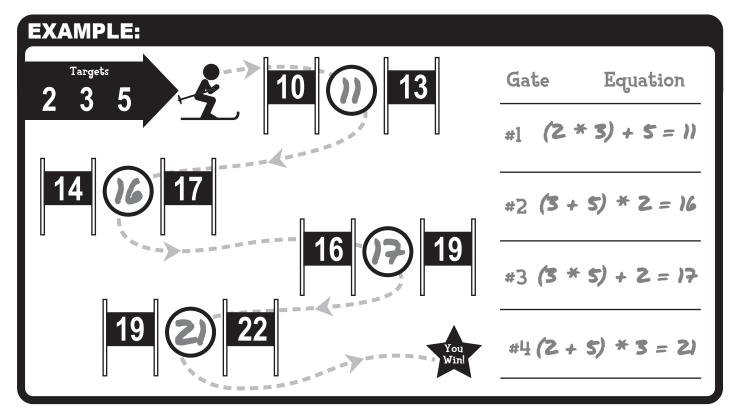
How does it work?:
The 3 Scoring Numbers shown must be used in a math expression that results in your Target Number. Your Target Number must fall between the two ski gate numbers.

Targets **2 3 5**   **10** ◯ **13**   *"MY TARGET CAN BE 11 OR 12."*

In this example you will use the numbers 2,3 and 5 to build an equation that results in either a Target of 11 or 12.

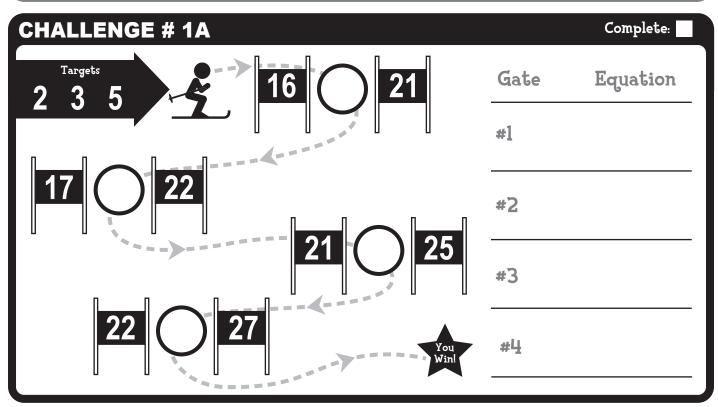### The solution here is: $(2 * 3) + 5 = 11$

Once you make it through the first set of gates continue on to the next. Be sure to write down your expressions as you go. When you ski through all 4 sets of gates, **YOU WIN!**

EXAMPLE:

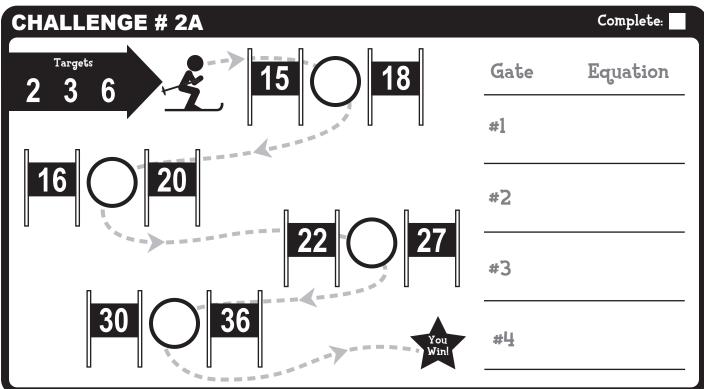Targets **2 3 5**   **10** ⑪ **13**

14 ⑯ **17**

16 ⑰ **19**

19 ㉑ **22**   ★ You Win!

Gate	Equation
#1	$(2 * 3) + 5 = 11$
#2	$(3 + 5) * 2 = 16$
#3	$(3 * 5) + 2 = 17$
#4	$(2 + 5) * 3 = 21$

ADVANCED: SET A - PUZZLES

Allowed Operators
+ − * / ^

CHALLENGE # 1A

Complete: ☐

Targets
2 3 5

| 16 | ◯ | 21 |

| 17 | ◯ | 22 |

| 21 | ◯ | 25 |

| 22 | ◯ | 27 |

You Win! ★

Gate	Equation
#1	
#2	
#3	
#4	

CHALLENGE # 2A

Complete: ☐

Targets
2 3 6

| 15 | ◯ | 18 |

| 16 | ◯ | 20 |

| 22 | ◯ | 27 |

| 30 | ◯ | 36 |

You Win! ★

Gate	Equation
#1	
#2	
#3	
#4	

Name _____   Class _____

ADVANCED: SET B - PUZZLES

Allowed Operators
+ − * / ^

CHALLENGE # 1B

Complete: ☐

Targets
2 4 5

7 ○ 10

13 ○ 18

21 ○ 25

29 ○ 32

You Win!

Gate	Equation
#1	
#2	
#3	
#4	

CHALLENGE # 2B

Complete: ☐

Targets
4 5 6

9 ○ 13

12 ○ 15

16 ○ 22

20 ○ 26

You Win!

Gate	Equation
#1	
#2	
#3	
#4	

Name _____   Class _____