




SAMPLE CHALLENGE SET

BASIC CHALLENGE - NO POWERS

Complete:


Targets **2 3 4** 

10 | ○ | 12

13 | ○ | 18

14 | ○ | 19

19 | ○ | 24


 You Win!

Dashed arrows show a path from the start to the first gate, then to the second, third, and fourth gates, ending at the 'You Win!' star.

Gate	Equation
#1	_____
#2	_____
#3	_____
#4	_____

ADVANCED CHALLENGE - YES POWERS

Complete:


Targets **1 2 4** 

10 | ○ | 15

16 | ○ | 25

17 | ○ | 32

25 | ○ | 64

 You Win!

Dashed arrows show a path from the start to the first gate, then to the second, third, and fourth gates, ending at the 'You Win!' star.

Gate	Equation
#1	_____
#2	_____
#3	_____
#4	_____

Name

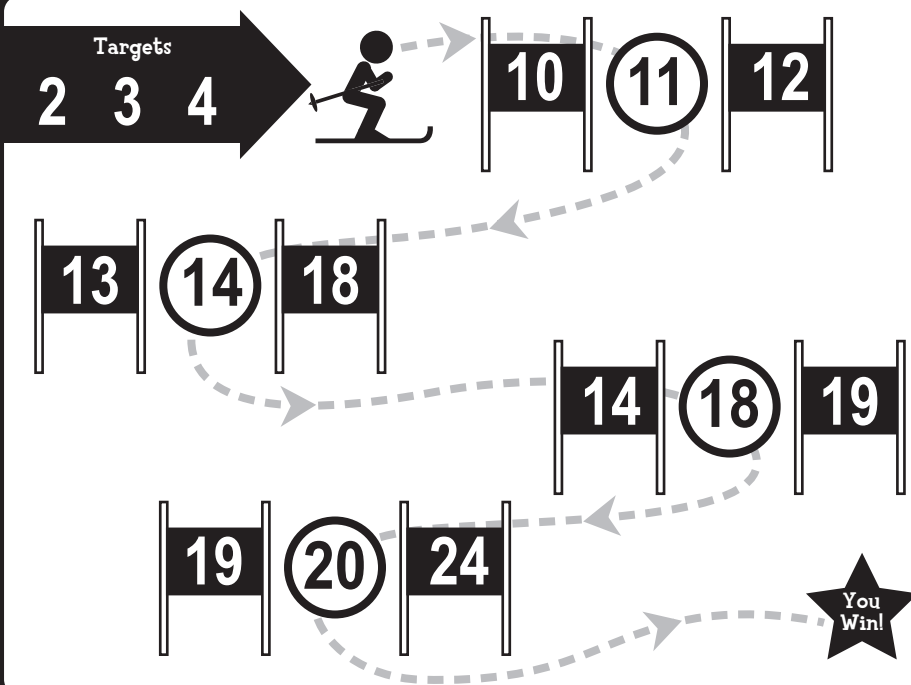
Class



SAMPLE CHALLENGE SET

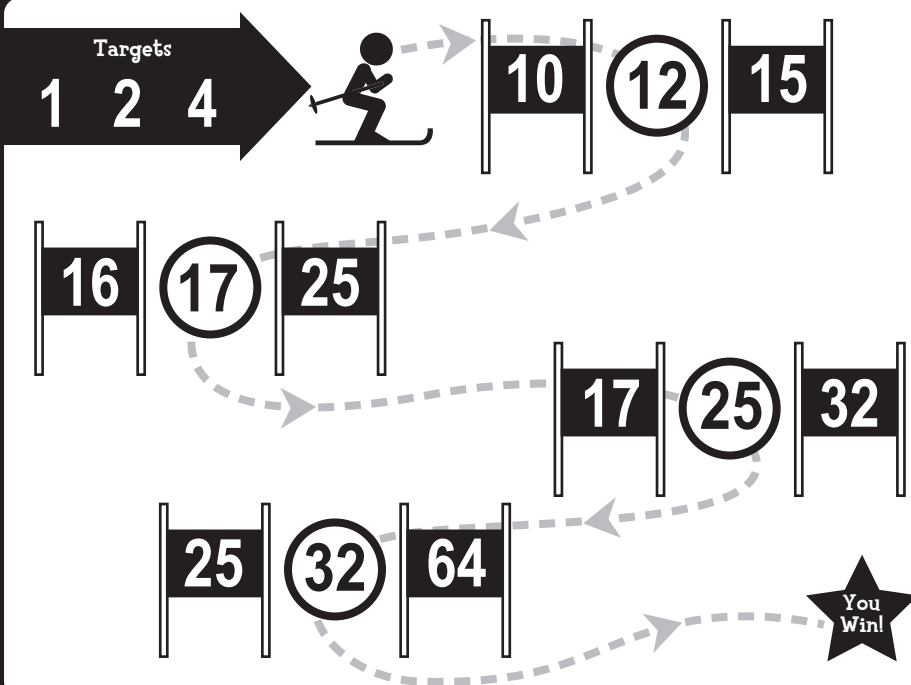
SOLUTIONS

BASIC CHALLENGE - NO POWERS



Gate	Equation
#1	$(2 * 4) + 3 = 11$
#2	$(3 * 4) + 2 = 14$
#3	$(2 + 4) * 3 = 18$
#4	$(2 + 3) * 4 = 20$

ADVANCED CHALLENGE - YES POWERS



Gate	Equation
#1	$(1 + 2) * 4 = 12$
#2	$(2 ^ 4) + 1 = 17$
#3	$(1 + 4) ^ 2 = 25$
#4	$2 ^ (1 + 4) = 32$