



MATHDICE[®] FINAL TARGET

CHALLENGE SET 2

BASIC - NO POWERS

Allowed Operators
+ - *

		Scoring Dice	Your Equation	Target
START →		2 3 6	_____	18
Discard one die: <input type="checkbox"/>	Replace with: →	Add: 6	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	33
Discard one die: <input type="checkbox"/>	Replace with: →	Add: 5	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	24
Discard one die: <input type="checkbox"/>	Replace with: →	Add: 4	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	30

ADVANCED - YES POWERS

Allowed Operators
+ - * / ^

		Scoring Dice	Your Equation	Target
START →		2 4 5	_____	36
Discard one die: <input type="checkbox"/>	Replace with: →	Add: 3	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	32
Discard one die: <input type="checkbox"/>	Replace with: →	Add: 6	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	9
Discard one die: <input type="checkbox"/>	Replace with: →	Add: 4	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	25

Name _____

Class _____

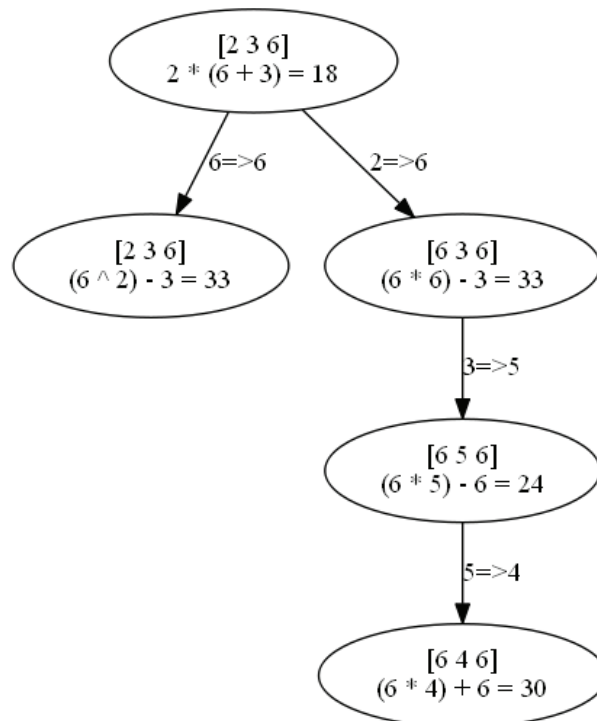


CHALLENGE SET 2: Basic Solution

BASIC - NO POWERS Allowed Operators
+ - *

	Scoring Dice	Your Equation	Target
START →	2 3 6	$2 * (6 + 3) = 18$	18
Discard one die: 2 → Replace with: 6 (Add: 6)	6 3 6	$(6 * 6) - 3 = 33$	33
Discard one die: 3 → Replace with: 5 (Add: 5)	6 5 6	$(6 * 5) - 6 = 24$	24
Discard one die: 5 → Replace with: 4 (Add: 4)	6 4 6	$(6 * 4) + 6 = 30$	30

Solution Tree





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CHALLENGE SET 2: Advanced Solution

ADVANCED - YES POWERS Allowed Operators: + - * / ^

	Scoring Dice	Your Equation	Target
START →	2 4 5	$(2^5) + 4 = 36$	36
Discard one die: 2 → Replace with: 3	3 4 5	$4 * (5 + 3) = 32$	32
Discard one die: 4 → Replace with: 6	3 6 5	$(5 * 3) - 6 = 9$	9
Discard one die: 3 → Replace with: 4	4 6 5	$5^{\underline{(6 - 4)}} = 25$	25

Solution Tree

