MATHDICE FINAL TARGET

SOLUTION
BASIC: SET 1A

BASIC - 1A

Allowed Operators
+ − *

	Remove:		Add:	Scoring Dice	Your Equation	Target
START →				2 3 4	4 * (3 + 2) = 20	20
Discard one die:	3	Replace with:	4	2 4 4	(4 * 4) - 2 = 14	14
Discard one die:	2	Replace with:	5	5 4 4	(5 * 4) + 4 = 24	24
Discard one die:	5	Replace with:	3	3 4 4	3 * (4 + 4) = 24	24

Solution Tree

[2 3 4]
4 * (3 + 2) = 20

4=>4 → [2 3 4] (4 * 3) + 2 = 14

3=>4 → [2 4 4] (4 * 4) - 2 = 14

2=>5 → [5 4 4] (5 * 4) + 4 = 24

5=>3 → [3 4 4] 3 * (4 + 4) = 24
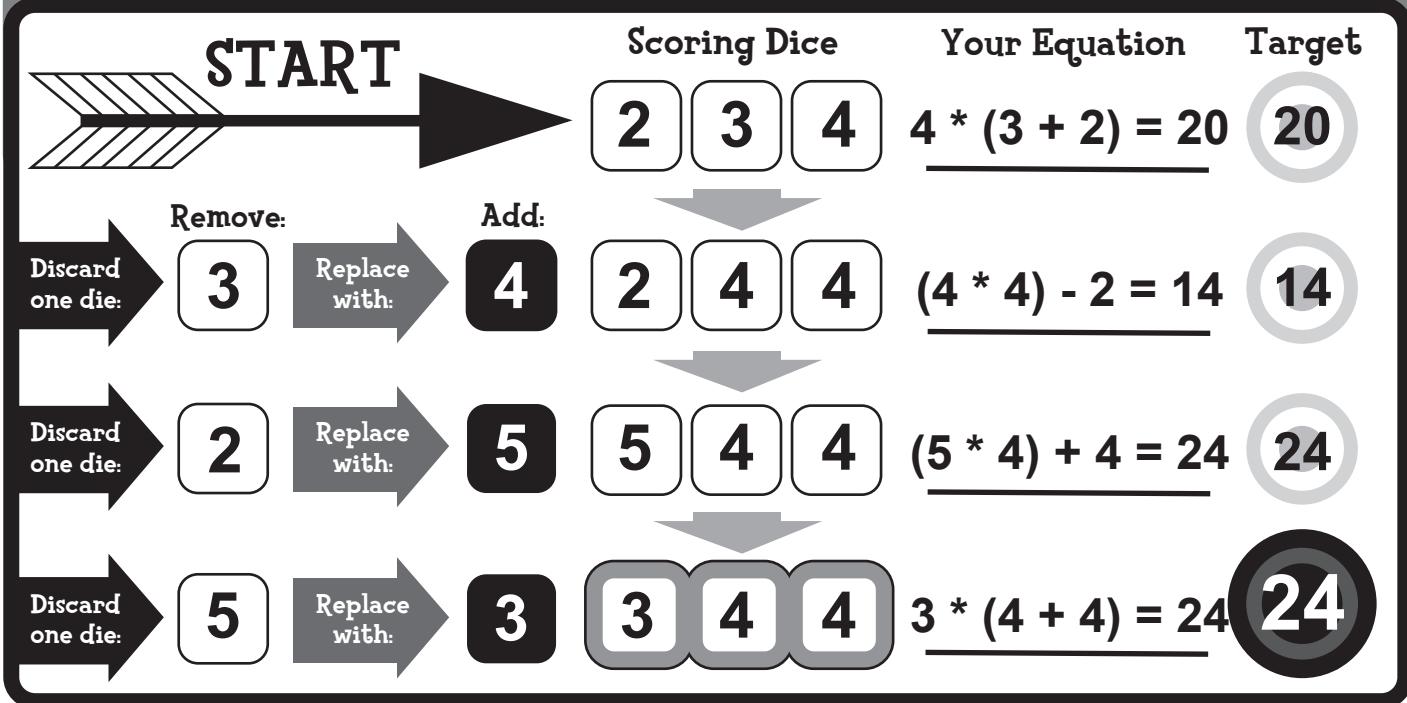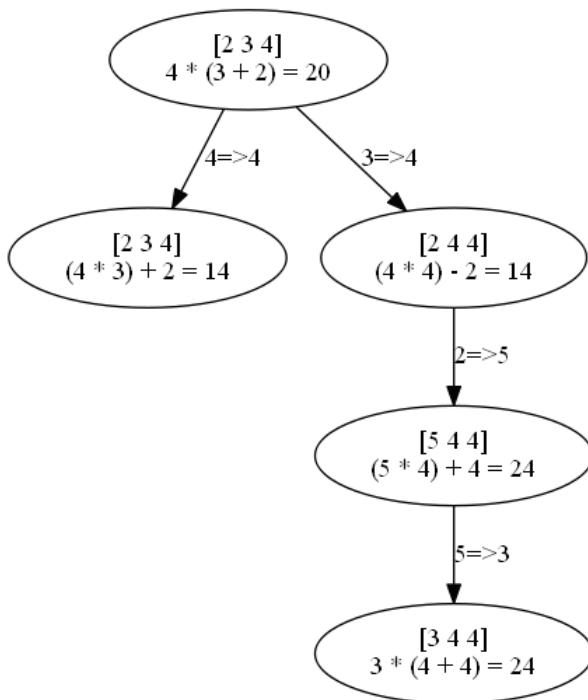
MATH DICE — FINAL TARGET

SOLUTION
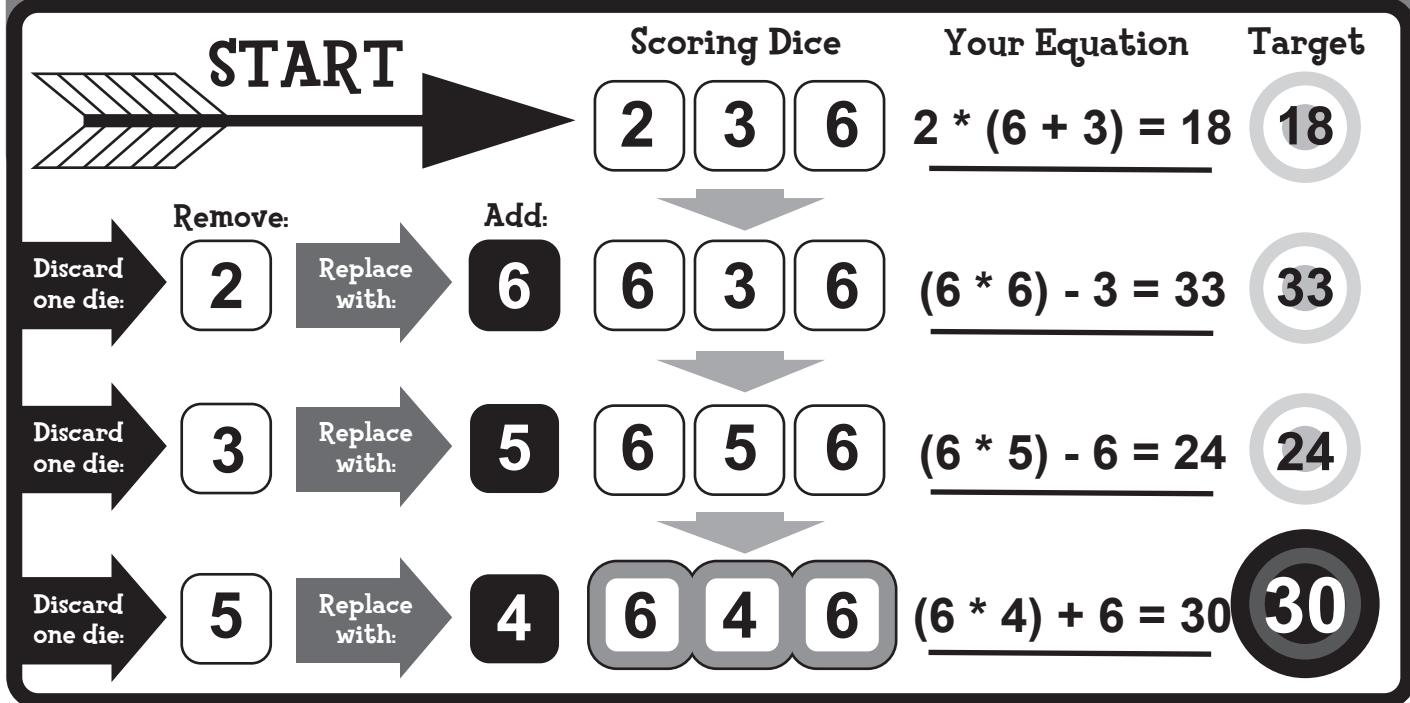## BASIC: SET 2A

BASIC - 2A

Allowed Operators
+ − *

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

Solution Tree

[2 3 6]
2 * (6 + 3) = 18

6=>6   2=>6

[2 3 6]
(6 ^ 2) − 3 = 33

[6 3 6]
(6 * 6) − 3 = 33

3=>5

[6 5 6]
(6 * 5) − 6 = 24

5=>4

[6 4 6]
(6 * 4) + 6 = 30
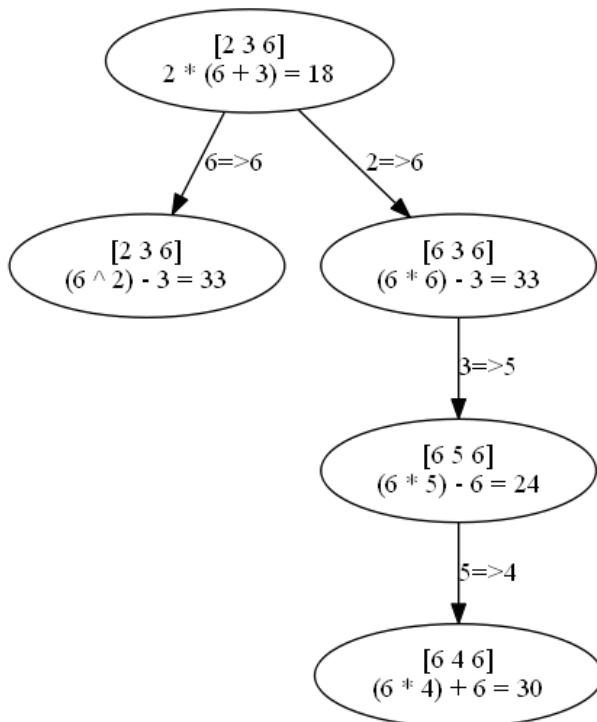
MATH DICE® FINAL TARGET

SOLUTION
BASIC: SET 1B

BASIC - 1B

Allowed Operators
+ − *

	START →	Scoring Dice	Your Equation	Target
		2 **4** **5**	(5 * 4) + 2 = 22	22
Discard one die: Remove: **2** → Replace with: Add: **3**		**3** **4** **5**	5 * (4 + 3) = 35	35
Discard one die: **3** → Replace with: **2**		**2** **4** **5**	(5 * 2) - 4 = 6	6
Discard one die: **2** → Replace with: **6**		**6** **4** **5**	(6 * 4) + 5 = 29	**29**

Solution Tree

[2 4 5]
(5 * 4) + 2 = 22

— 4=>3 —

[2 3 5]
(2 ^ 5) + 3 = 35

— 2=>3 —

[3 4 5]
5 * (4 + 3) = 35

From [2 3 5]:
- 3=>2 → [2 2 5] : 2 * (5 - 2) = 6
- 5=>2 → [2 3 2] : (2 ^ 3) - 2 = 6
- 2=>2 → [2 3 5] : (5 + 3) - 2 = 6

From [3 4 5]:
- 3=>2 → [2 4 5] : (5 * 2) - 4 = 6
- 5=>2 → [3 4 2] : 3 * (4 - 2) = 6
- 4=>2 → [3 2 5] : (5 + 3) - 2 = 6

From [2 4 5]:
- 2=>6 → [6 4 5] : (6 * 4) + 5 = 29
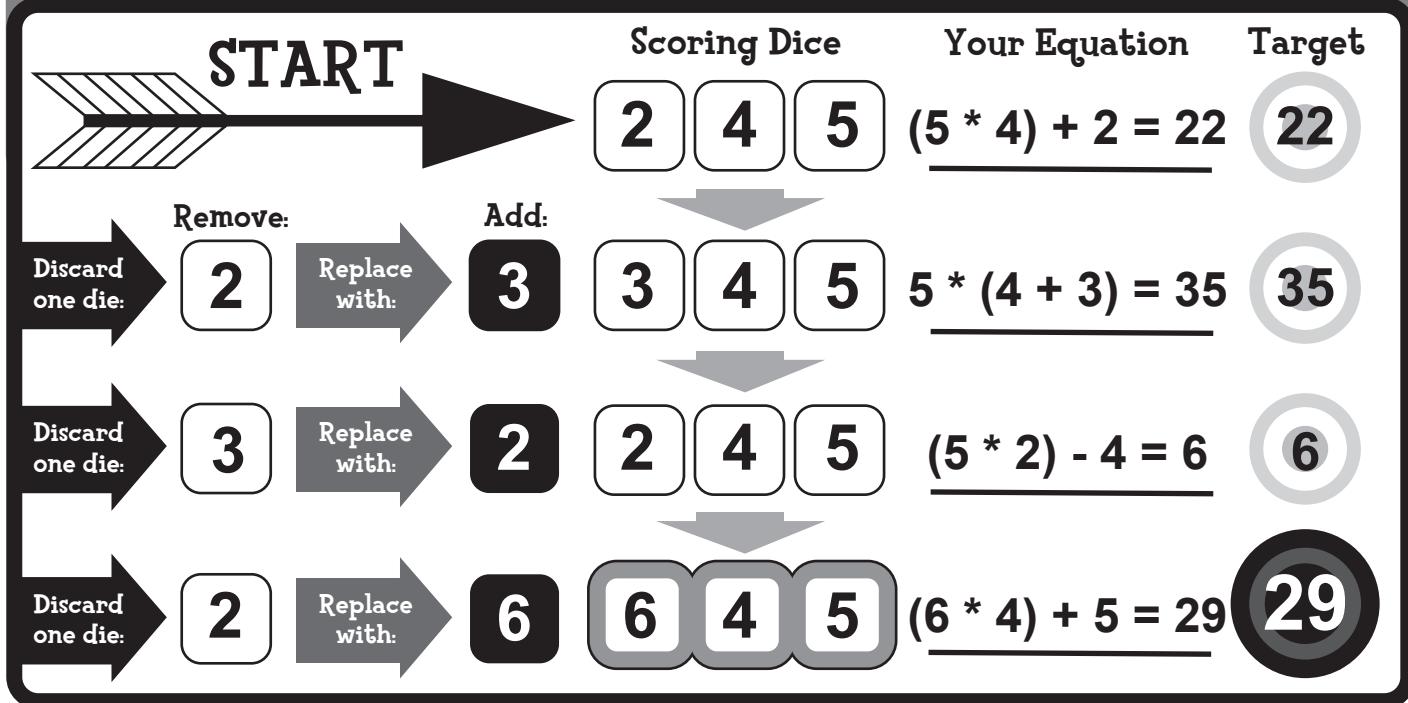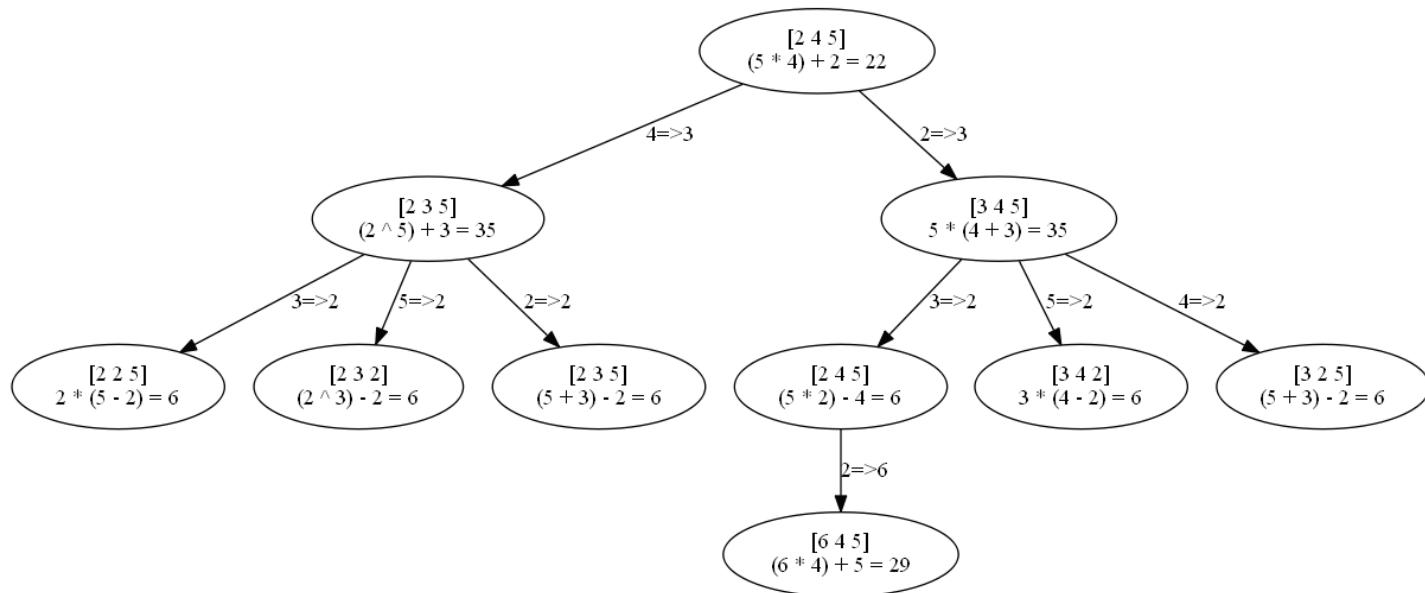
MATH DICE® FINAL TARGET

SOLUTION

BASIC: SET 2B

BASIC - 2B

Allowed Operators
+ − *

	Scoring Dice	Your Equation	Target
START →	3 4 6	(6 * 4) - 3 = 21	21
Discard one die: Remove: 6 **Replace with:** Add: 5	3 4 5	(5 + 4) - 3 = 6	6
Discard one die: 4 **Replace with:** 2	3 2 5	(5 * 3) + 2 = 17	17
Discard one die: 5 **Replace with:** 4	3 2 4	(2 * 3) * 4 = 24	24

Solution Tree

[3 4 6]
(6 * 4) - 3 = 21

— 6=>5 → [3 4 5] (5 + 4) - 3 = 6
— 3=>5 → [5 4 6] 6 * (5 - 4) = 6

[3 4 5] (5 + 4) - 3 = 6
— 4=>2 → [3 2 5] (5 * 3) + 2 = 17

[5 4 6] 6 * (5 - 4) = 6
— 4=>2 → [5 2 6] (6 * 2) + 5 = 17

[3 2 5] (5 * 3) + 2 = 17
— 5=>4 → [3 2 4] (4 * 3) * 2 = 24