



# MATHDICE<sup>®</sup>

## FINAL TARGET

### SET A BASIC

Thank you for participating in our  
Math Dice Classroom Program!

We hope you enjoy this week's paper and pencil game.

This packet includes:

- **How to Play Instructions**
- **6 Challenges**
- **Solution Sheet**

To learn more about our Math Dice Classroom Program, contact

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# MATHDICE

## FINAL TARGET

# How To Play

### Your Goal:

Identify the Final Scoring Numbers that will hit the Final Target!

### To Play:

- a** Solve the first equation at the top of the sheet. Write down your equation in the space given.

- b** Replace any one of your Scoring Dice with the replacement number shown and write down your solution for the second Target. Make sure to fill in your new Scoring Numbers too.

- c** Replace any one of the Scoring Dice USED IN YOUR SECOND EQUATION with the replacement number and write down your solution for your third Target. Fill in your new Scoring Numbers too.

- d** Replace any one of the Scoring Dice USED IN YOUR THIRD EQUATION with the replacement number and write down your solution for your fourth Target.

	Scoring Dice	Your Equation	Target
<b>START</b> →	2 3 4	_____	18
Change ANY Scoring Die to: <b>6</b> →	□ □ □	_____	20
Now change ANY one die to: <b>3</b> →	□ □ □	_____	22
Change ANY die one more time: <b>4</b> →	□ □ □	_____	19
Correct answer earns 5 pts (Check box & add to Score Sheet) <input type="checkbox"/>			

	Scoring Dice	Your Equation	Target
<b>a</b> <b>START</b> →	2 3 4	$3 \times (4 + 2) = 18$	18
<b>b</b> Change ANY Scoring Die to: <b>6</b> →	6 2 4 <i>swap out 3</i>	$3 \times (4 + 2) = 18$	20
<b>c</b> Now change ANY one die to: <b>3</b> →	3 3 4 <i>swap out 2</i>	$3 \times (4 + 2) = 18$	22
<b>d</b> Change ANY die one more time: <b>4</b> →	4 3 4 <i>swap out 6</i>	$3 \times (4 + 2) = 18$	19
Correct answer earns 5 pts (Check box & add to Score Sheet) <input checked="" type="checkbox"/>			

Once you've successfully filled in your final Scoring Numbers YOU WIN!



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## #01 SET A

Allowed Operators  
+ - \*

BASIC

	Scoring Dice	Your Equation	Target
START →	2 3 5	_____	11
Change ANY Scoring Die to: 5 →	□ □ □	_____	8
Now change ANY one die to: 3 →	□ □ □	_____	40
Change ANY die one more time: 6 →	□ □ □	_____	35

Correct answer earns 5 pts (Check box & add to Score Sheet)

## #02 SET A

Allowed Operators  
+ - \*

BASIC

	Scoring Dice	Your Equation	Target
START →	3 5 6	_____	4
Change ANY Scoring Die to: 6 →	□ □ □	_____	9
Now change ANY one die to: 4 →	□ □ □	_____	18
Change ANY die one more time: 5 →	□ □ □	_____	24

Correct answer earns 5 pts (Check box & add to Score Sheet)

Name \_\_\_\_\_

Class \_\_\_\_\_





## #03 SET A

Allowed Operators  
+ - \*

BASIC

	Scoring Dice	Your Equation	Target
START →	2 3 5	_____	7
Change ANY Scoring Die to: 2 →	□ □ □	_____	14
Now change ANY one die to: 6 →	□ □ □	_____	14
Change ANY die one more time: 3 →	□ □ □	_____	8

Correct answer earns 5 pts (Check box & add to Score Sheet)

## #04 SET A

Allowed Operators  
+ - \*

BASIC

	Scoring Dice	Your Equation	Target
START →	2 4 5	_____	40
Change ANY Scoring Die to: 6 →	□ □ □	_____	14
Now change ANY one die to: 2 →	□ □ □	_____	13
Change ANY die one more time: 3 →	□ □ □	_____	19

Correct answer earns 5 pts (Check box & add to Score Sheet)

Name \_\_\_\_\_

Class \_\_\_\_\_





## #05 SET A

Allowed Operators  
+ - \*

BASIC

	Scoring Dice	Your Equation	Target
START →	3 4 6	_____	14
Change ANY Scoring Die to: 6 →	□ □ □	_____	16
Now change ANY one die to: 3 →	□ □ □	_____	18
Change ANY die one more time: 2 →	□ □ □	_____	38

Correct answer earns 5 pts (Check box & add to Score Sheet)

## #06 SET A

Allowed Operators  
+ - \*

BASIC

	Scoring Dice	Your Equation	Target
START →	2 3 6	_____	11
Change ANY Scoring Die to: 5 →	□ □ □	_____	15
Now change ANY one die to: 3 →	□ □ □	_____	11
Change ANY die one more time: 6 →	□ □ □	_____	36

Correct answer earns 5 pts (Check box & add to Score Sheet)

Name

Class





#01

Scoring Dice (shaded = changed)			Solution	Target
2	3	5	$(3 * 2) + 5$	11
2	5	5	$(5 + 5) - 2$	8
3	5	5	$5 * (5 + 3)$	40
6	5	5	$(6 * 5) + 5$	<b>35</b>

#02

Scoring Dice (shaded = changed)			Solution	Target
3	5	6	$(6 + 3) - 5$	4
3	6	6	$(6 + 6) - 3$	9
4	6	6	$(6 * 4) - 6$	18
5	6	6	$(6 * 5) - 6$	<b>24</b>

#03

Scoring Dice (shaded = changed)			Solution	Target
2	3	5	$(5 * 2) - 3$	7
2	2	5	$2 * (5 + 2)$	14
2	2	6	$(6 * 2) + 2$	14
2	2	3	$(3 * 2) + 2$	<b>8</b>

#04

Scoring Dice (shaded = changed)			Solution	Target
2	4	5	$(5 * 4) * 2$	40
6	4	5	$(5 * 4) - 6$	14
2	4	5	$(4 * 2) + 5$	13
3	4	5	$(5 * 3) + 4$	<b>19</b>

#05

Scoring Dice (shaded = changed)			Solution	Target
3	4	6	$(6 * 3) - 4$	14
6	4	6	$(6 + 6) + 4$	16
6	3	6	$6 * (6 - 3)$	18
6	2	6	$(6 * 6) + 2$	<b>38</b>

#06

Scoring Dice (shaded = changed)			Solution	Target
2	3	6	$(6 + 3) + 2$	11
5	3	6	$5 * (6 - 3)$	15
5	3	3	$(5 + 3) + 3$	11
6	3	3	$6 * (3 + 3)$	<b>36</b>