



MATHDICE[®]

FINAL TARGET

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

| | Scoring Dice | Your Equation | Target |
|---|-------------------------|-------------------------|--------|
| a START → | 2 3 4 | $3 \times (4 + 2) = 18$ | 18 |
| b Change ANY Scoring Die to: 6 → | 6 2 4 <i>swap out 3</i> | $3 \times (4 + 2) = 18$ | 20 |
| c Now change ANY one die to: 3 → | 3 3 4 <i>swap out 2</i> | $3 \times (4 + 2) = 18$ | 22 |
| d Change ANY die one more time: 4 → | 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 B

Allowed Operators
+ - *

BASIC

| | Scoring Dice | Your Equation | Target |
|-----------------------------------|--------------|---------------|--------|
| START → | 4 5 6 | _____ | 19 |
| Change ANY Scoring Die to: 3 → | □ □ □ | _____ | 8 |
| Now change ANY one die to: 4 → | □ □ □ | _____ | 14 |
| Change ANY die one more time: 6 → | □ □ □ | _____ | 9 |

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

#02 SET B

Allowed Operators
+ - *

BASIC

| | Scoring Dice | Your Equation | Target |
|-----------------------------------|--------------|---------------|--------|
| START → | 2 3 6 | _____ | 24 |
| Change ANY Scoring Die to: 5 → | □ □ □ | _____ | 18 |
| Now change ANY one die to: 3 → | □ □ □ | _____ | 36 |
| Change ANY die one more time: 6 → | □ □ □ | _____ | 14 |

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

Name _____

Class _____





#03 SET B

Allowed Operators
+ - *

BASIC

START

Scoring Dice

4 5 6

Your Equation

Target

5

Change ANY Scoring Die to:

4

□ □ □

3

Now change ANY one die to:

6

□ □ □

40

Change ANY die one more time:

5

□ □ □

11

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

#04 SET B

Allowed Operators
+ - *

BASIC

START

Scoring Dice

4 5 6

Your Equation

Target

19

Change ANY Scoring Die to:

2

□ □ □

14

Now change ANY one die to:

5

□ □ □

34

Change ANY die one more time:

4

□ □ □

11

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

Name

Class





#05 SET B

Allowed Operators
+ - *

BASIC

| | Scoring Dice | Your Equation | Target |
|-----------------------------------|--------------|---------------|--------|
| START → | 2 4 5 | _____ | 22 |
| Change ANY Scoring Die to: 6 → | □ □ □ | _____ | 15 |
| Now change ANY one die to: 2 → | □ □ □ | _____ | 30 |
| Change ANY die one more time: 3 → | □ □ □ | _____ | 27 |

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

#06 SET B

Allowed Operators
+ - *

BASIC

| | Scoring Dice | Your Equation | Target |
|-----------------------------------|--------------|---------------|--------|
| START → | 2 4 6 | _____ | 20 |
| Change ANY Scoring Die to: 3 → | □ □ □ | _____ | 3 |
| Now change ANY one die to: 6 → | □ □ □ | _____ | 26 |
| Change ANY die one more time: 4 → | □ □ □ | _____ | 28 |

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

Name _____

Class _____





#01

| Scoring Dice (shaded = changed) | | | Solution | Target |
|---------------------------------|---|---|---------------|--------|
| 4 | 5 | 6 | $(6 * 4) - 5$ | 19 |
| 3 | 5 | 6 | $(6 + 5) - 3$ | 8 |
| 3 | 4 | 6 | $(6 * 3) - 4$ | 14 |
| 3 | 6 | 6 | $(6 + 6) - 3$ | 9 |

#02

| Scoring Dice (shaded = changed) | | | Solution | Target |
|---------------------------------|---|---|---------------|--------|
| 2 | 3 | 6 | $3 * (6 + 2)$ | 24 |
| 2 | 5 | 6 | $6 * (5 - 2)$ | 18 |
| 2 | 3 | 6 | $(6 * 3) * 2$ | 36 |
| 2 | 6 | 6 | $(6 + 6) + 2$ | 14 |

#03

| Scoring Dice (shaded = changed) | | | Solution | Target |
|---------------------------------|---|---|---------------|--------|
| 4 | 5 | 6 | $(6 + 4) - 5$ | 5 |
| 4 | 5 | 4 | $(4 + 4) - 5$ | 3 |
| 4 | 6 | 4 | $4 * (6 + 4)$ | 40 |
| 4 | 5 | 4 | $(4 * 4) - 5$ | 11 |

#04

| Scoring Dice (shaded = changed) | | | Solution | Target |
|---------------------------------|---|---|---------------|--------|
| 4 | 5 | 6 | $(6 * 4) - 5$ | 19 |
| 4 | 2 | 6 | $(4 * 2) + 6$ | 14 |
| 4 | 5 | 6 | $(6 * 5) + 4$ | 34 |
| 4 | 5 | 4 | $(4 * 4) - 5$ | 11 |

#05

| Scoring Dice (shaded = changed) | | | Solution | Target |
|---------------------------------|---|---|---------------|--------|
| 2 | 4 | 5 | $(5 * 4) + 2$ | 22 |
| 6 | 4 | 5 | $(6 + 5) + 4$ | 15 |
| 2 | 4 | 5 | $5 * (4 + 2)$ | 30 |
| 3 | 4 | 5 | $3 * (5 + 4)$ | 27 |

#06

| Scoring Dice (shaded = changed) | | | Solution | Target |
|---------------------------------|---|---|---------------|--------|
| 2 | 4 | 6 | $2 * (6 + 4)$ | 20 |
| 2 | 4 | 3 | $(4 + 2) - 3$ | 3 |
| 2 | 4 | 6 | $(6 * 4) + 2$ | 26 |
| 4 | 4 | 6 | $(6 * 4) + 4$ | 28 |