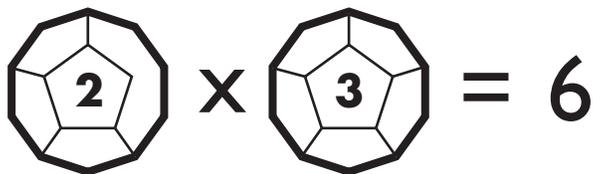


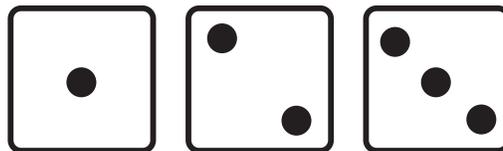
How to Play MathDice

First, let's roll the two 12-sided target dice and multiply the numbers together. This product is our target number.


$$2 \times 3 = 6$$



Then, we roll the three scoring dice to get our scoring numbers.



Using each scoring number only once, we create a math expression that equals an answer as close as possible to the target number. We may use addition, subtraction, multiplication, division, and even powers (if you know them!).

$$(1 + 2) + 3 = 6$$

or

$$(1 \times 2) \times 3 = 6$$

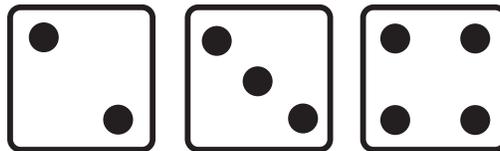
MathDice Target Practice

Okay. Let's try a quick exercise. Suppose we have a target of 5.



$$\text{Die with 5} \times \text{Die with 1} = 5$$

Our scoring numbers are 2, 3, and 4.



Did you know there are three different ways to reach our target number? Let's see if we can find them all!

Operations

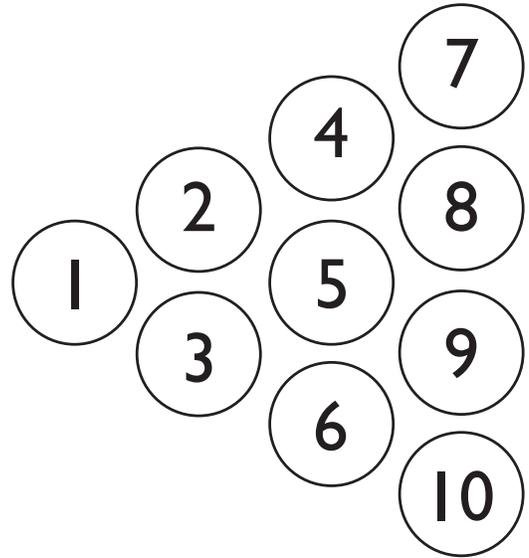
Answer

Addition and subtraction

Multiplication and subtraction

Division and addition

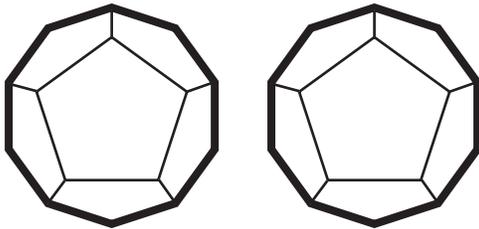
Can you hit all ten target pins, and get a strike?



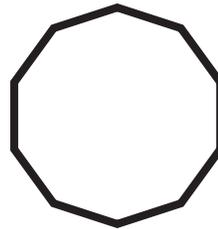
Target Ball	Expression	Target Ball	Expression
1		6	
2		7	
3		8	
4		9	
5		10	

Sample MathDice Problem

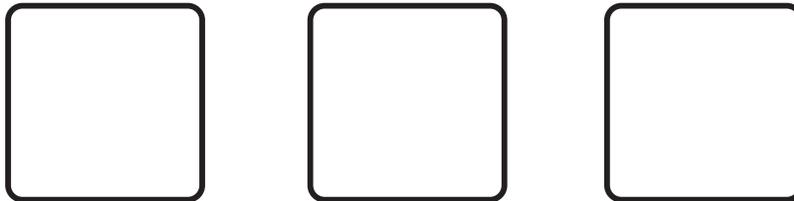
Target Dice



Target Number



Scoring Dice



Answers

Minus and Coach play a point of MathDice

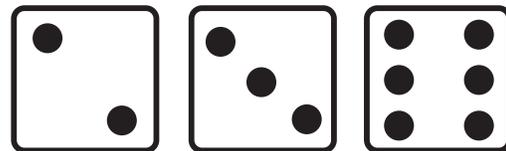


“I’ll roll the target dice.
I got a 3 and 5, so our
target is 15.”

$$\begin{array}{|c|} \hline 3 \\ \hline \end{array} \times \begin{array}{|c|} \hline 5 \\ \hline \end{array} = 15$$



“I’ll roll the scoring dice.
I got a 2, 3, and a 6.
Now, either of us can
shout out an answer.”



“11”

My equation is $(2 + 3) + 6 = 11$, but I don’t
have to say it until the point is over. Also, I
can’t answer again until Minus answers.



“12”

I used $(2 \times 3) + 6 = 12$, which is one closer
than the coach. Woof!



“16”

I’m only one away from the target. This
time I used $(3 \times 6) - 2 = 16$, This dog has no
chance against my human brain!



“15”

$(2 \times 6) + 3 = 15!$ I just won the point!
Woofity, woof, woof! Dog biscuits for
everyone!