



Math Games

What you will need:

- Game Boards (attached)
- Decks of playing cards
- Many 6-sided dice

Game Directions

War

War

1. You can play largest number war (young participants), addition or multiplication war (depending on the age and knowledge level of the children.) Before playing War, be sure to discuss the concept of “largest number”. Ask children multiple questions using pairs of numbers and having children decide which number is larger. Also talk about that it is possible the two numbers are exactly alike or are equal. **OR** talk about addition and adding two or more numbers together. **OR** talk about multiplication and how you determine a product by considering how many items are in how many groups.
2. Prepare the deck of cards by removing the face cards (Jack, Queen, and King) and the jokers
3. Show children how to mix up the cards (they probably can’t shuffle) by placing the cards face down on a table and “stirring” them around.
4. Deal $\frac{1}{2}$ of the cards to each child
5. Both players turn over a card. The player who played the largest card **OR** who can name the sum or product, takes both of the cards and places them to the side
6. If cards are equal **OR** player makes a mistake, neither player takes the cards, they remain in play. Players turn over another card, and the player who has the largest number **OR** names the sum or product correctly, takes all of the cards
7. When player has played all of his/her cards, he/she can pick up the cards they have collected, mix them up, and then use those to continue play.
8. Game is over when one player has all of the cards or time is called.

Math Blast

Math Blast for TK-1st Game Board with number 1-18 attached



1. Divide children into pairs and give each pair three 6-sided dice and a game board (there is one attached)
2. Taking turns the players roll all three dice, count or add the pips (that's the dots or spots), and marks that number on his/her game board.
3. Play continues until player has marked off all numbers
4. If he/she rolls the same number more than once, that's fine. They don't lose a turn, they just don't have a number to mark off.

Math Blast All Other Youth (Select appropriate game board from those attached)

Game board for this game is attached

1. Roll 5 dice (during the game there is ONLY one roll of the dice)
2. Using any math you understand (addition, subtraction, multiplication, division, create number sentences (equations) which will equal all of the numerals on the Math Blast board using all of the dice.
3. When you have made an equation for one of the numbers place a token on that number and then move to the next equation.

Example: You roll 5 dices and the numbers are

5 5 3 2 1

Your number sentence could be:

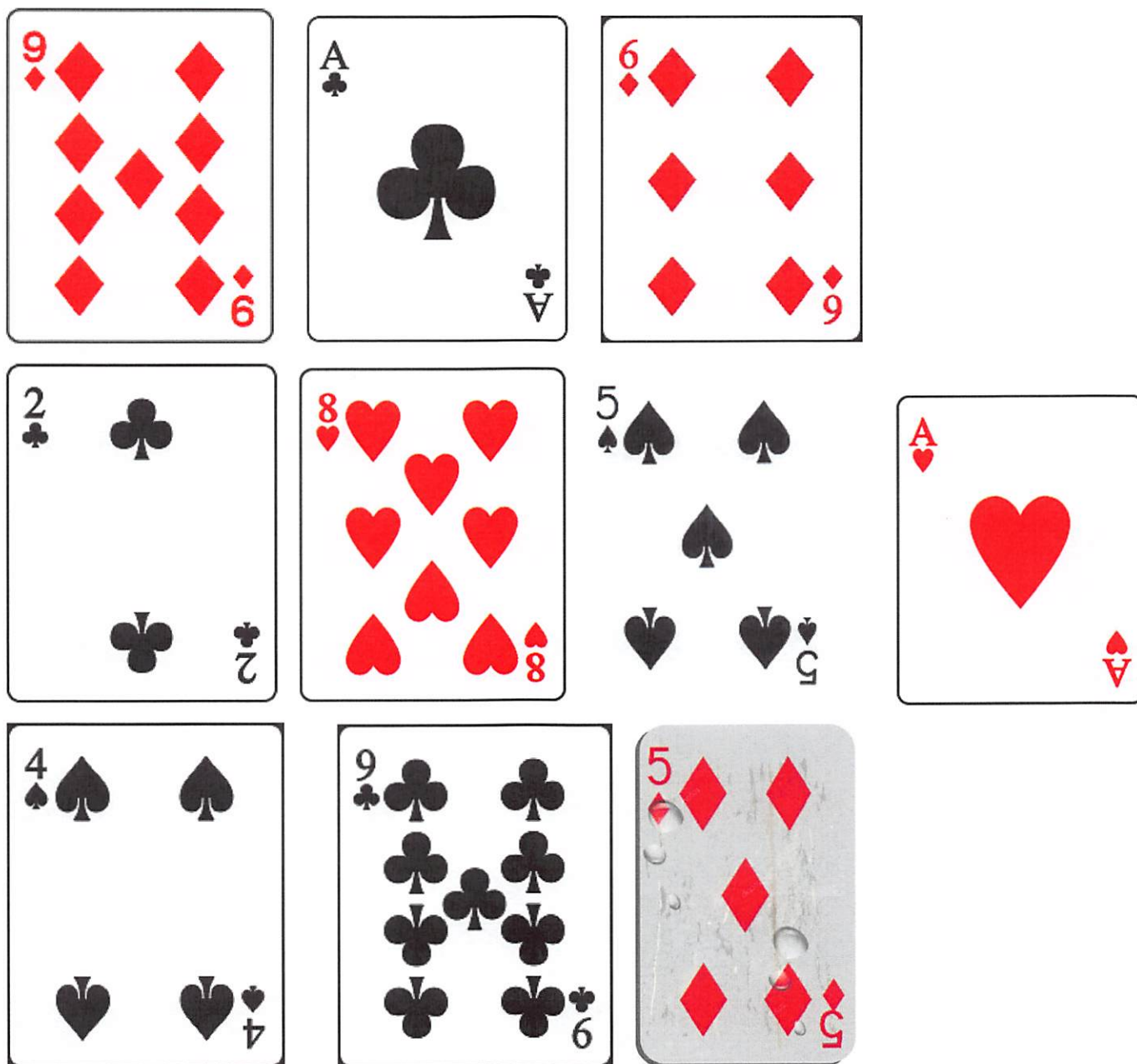
$$5 + 5 + 3 + 2 + 1 = 16 \text{ or}$$

$$5 - 5 + 3 - 2 + 1 = 2 \text{ or}$$

$$(5 \times 5) + (3 \times 2) + 1 = 32$$



Target



Shuffle the deck of cards

Make a three x three grid, turn over a tenth card which will be the Target number. In this example, the Target number is one (represented by the Ace)



Youth may use any math they know and understand to make that number with the cards you have. For example, $9 - 8 = 1$. You could take the 9 and the 8—2 cards. You could also say $9 - 6 - 2 =$ and you could take the 9, 6 and 2 for 3 cards. Youth may also multiply and divide. The challenge is to always make the Target number.



Math Blast Game Board

1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18



1	2	3	4	5	6	7	8	9
10	<div>Math Blast 2nd-3rd</div>							11
12								13
14								15
16								17
18								19
20								21
22								23
24								25
26	27	28	29	30	31	32	33	34

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70