



# Softball Hits

Game 41, Pg. 103 (Derived Fact Strategies - Multiplication and Division)

**Game Goal:** “Hit” every position in order by creating expressions equal to each number.

**Materials:** three dice (6-sided or 10-sided with 0 treated as 10), one Softball Hits gameboard and one dry-erase marker per player

## How to Play (2 or more players):

1. Player 1 rolls all three dice. Player 1 then uses 2 or all 3 of the numbers and any combination of operations to equal 1.
2. If Player 1 is successful, they record the equation(s) on their gameboard, cross out the 1, and continue their turn.
3. *Without rerolling*, Player 1 then tries to create an equation(s) for position 2. If successful, they continue to position 3, and so on.
4. When Player 1 cannot use the rolled dice to create equation(s) for the next position, they pass the dice to Player 2, who repeats steps 1-3.
5. Each player picks up where they left off on their next turn. First player to make expressions equal to 1-9, in order, wins.

## Game in Action:

This player rolled 0 (being played as 10), 6, and 4.

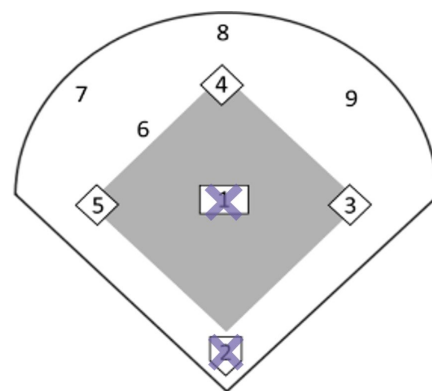
They used all 3 dice in two steps represented by:

$$6 + 4 = 10 \text{ then } 10 \div 10 = 1.$$

For students in grade 5 and beyond, they might

$$\text{represent this as } (6+4) \div 10 = 1$$

to incorporate the order of operations.



Position	Equation(s)
1	$6 + 4 = 10, 10 \div 10 = 1$
2	$6 - 4 = 2$
3	
4	

## Variations:

- Require that all three dice be used.
- Players share a gameboard and collaborate.
- Allow players to mark off positions in any order.