

Baseball Multiplication (1 to 6 Facts)

Materials 1 *Baseball Multiplication Game Mat* (*Math Masters*, p. 460)

- 2 six-sided dice
- 4 counters
- 1 calculator or a multiplication/division table

Players 2 teams of one or more players each.

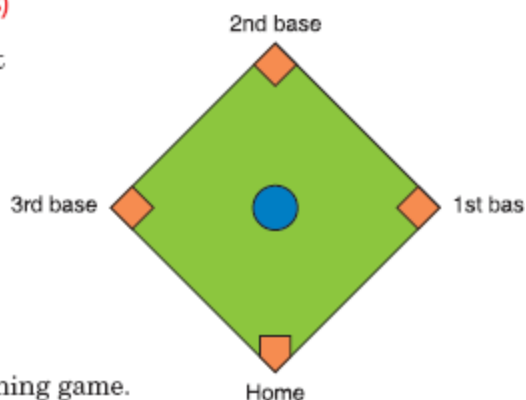
Skill Multiplication facts 1 to 6

Object of the game To score more runs in a 3-inning game.

Directions

1. Draw a diamond and label *Home*, *1st base*, *2nd base*, and *3rd base*. Make a Scoreboard sheet like the one shown at the right.
2. Teams take turns being the *pitcher* and the *batter*. The rules are similar to the rules of baseball, but this game lasts only 3 innings.
3. The batter puts a counter on home plate. The pitcher rolls the dice. The batter multiplies the numbers rolled and gives the answer. The pitcher checks the answer and may use a calculator to do so.
4. If the answer is correct, the batter looks up the product in the Hitting Table at the right. If it is a hit, the batter moves all counters on the field the number of bases shown in the table. The pitcher tallies each out on the scoreboard.
5. An incorrect answer is a strike and another pitch (dice roll) is thrown. Three strikes make an out.
6. A run is scored each time a counter crosses home plate. The batter tallies each run scored on the Scoreboard.
7. After each hit or out, the batter puts a counter on home plate. The batting and pitching teams switch roles after the batting team has made 3 outs. The inning is over when both teams have made 3 outs.

The team with more runs at the end of 3 innings wins the game. If the game is tied at the end of 3 innings, play continues into extra innings until one team wins.



		Scoreboard			
Inning		1	2	3	Total
Team 1	outs				
	runs				
Team 2	outs				
	runs				



Hitting Table	
1 to 6 Facts	
1 to 9	Out
10 to 19	Single (1 base)
20 to 29	Double (2 bases)
30 to 35	Triple (3 bases)
36	Home Run (4 bases)

Baseball Multiplication (Advanced Versions)

Skill Multiplication facts through 12s, extended facts

Object of the game To score more runs in a 3-inning game.

1 to 10 Facts

Materials □ number cards 1–10 (4 of each)

Follow the basic rules. The pitcher draws 2 cards from the deck. The batter finds their product and uses the Hitting Table at the right to find out how to move the counters.

2 to 12 Facts

Materials □ 4 six-sided dice

Follow the basic rules. The pitcher rolls 4 dice. The batter separates them into 2 pairs, adds the numbers in each pair, and multiplies the sums. Use the Hitting Table at the right.

How you pair the numbers can determine the kind of hit you get or whether you get an out. For example, suppose you roll a 1, 2, 3, and 5. You could add pairs in different ways and multiply as follows:

one way	a second way	a third way
$1 + 2 = 3$	$1 + 3 = 4$	$1 + 5 = 6$
$3 + 5 = 8$	$2 + 5 = 7$	$2 + 3 = 5$
$3 * 8 = 24$	$4 * 7 = 28$	$6 * 5 = 30$
Out	Single	Single

Three-Factors Game

Materials □ 3 six-sided dice

The pitcher rolls 3 dice. The batter multiplies the 3 numbers (factors) and uses the Hitting Table at the right.

10s * 10s Game

Materials □ 4 six-sided dice

The rules for this game are the same as for the *2 to 12 Facts* game with two exceptions:

- A sum of 2 through 9 represents 20 through 90.
A sum of 10 through 12 represents itself. For example:
Roll 1, 2, 3, and 5. Get sums 6 and 5. Multiply $60 * 50$.
Roll 3, 4, 6, and 6. Get sums 12 and 7. Multiply $12 * 70$.
- Use the Hitting Table at the right.

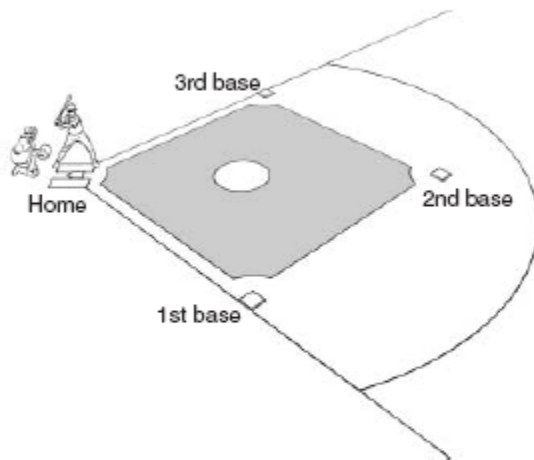
Hitting Table	
1 to 10 Facts	
1 to 21	Out
24 to 45	Single (1 base)
48 to 70	Double (2 bases)
72 to 81	Triple (3 bases)
90 to 100	Home Run (4 bases)

Hitting Table	
2 to 12 Facts	
4 to 24	Out
25 to 49	Single (1 base)
50 to 64	Double (2 bases)
66 to 77	Triple (3 bases)
80 to 144	Home Run (4 bases)

Hitting Table	
Three-Factors Game	
1 to 54	Out
60 to 90	Single (1 base)
96 to 120	Double (2 bases)
125 to 150	Triple (3 bases)
180 to 216	Home Run (4 bases)

Hitting Table	
10 * 10s Game	
100 to 2,000	Out
2,100 to 4,000	Single (1 base)
4,200 to 5,400	Double (2 bases)
5,600 to 6,400	Triple (3 bases)
7,200 to 8,100	Home Run (4 bases)

Baseball Multiplication Game Mat



Hitting Table 1-to-6 Facts

1 to 9	Out
10 to 19	Single (1 base)
20 to 29	Double (2 bases)
30 to 35	Triple (3 bases)
36	Home Run (4 bases)

Inning		1	2	3	Total
Team 1	Outs				
	Runs				
Team 2	Outs				
	Runs				

Inning		1	2	3	Total
Team 1	Outs				
	Runs				
Team 2	Outs				
	Runs				

Inning		1	2	3	Total
Team 1	Outs				
	Runs				
Team 2	Outs				
	Runs				