

# LET'S PLAY BALL

## OBJECTIVES:

- To understand solving equations  
81501 To solve one-step equations using multiplication and division of whole numbers

## PREREQUISITE:

To solve one-step equations with one variable using addition and subtraction of whole numbers

## MATERIALS NEEDED:

A shoe box or container for the balls  
36 index cards or 2-3" circles cut from poster board or construction paper

## INSTRUCTIONS TO THE TEACHER FOR MAKING ACTIVITY:

1. On one side of each card or circle, write a one-step multiplication or division equation containing one variable.
2. On the back of each card, write either *single*, *double*, *triple* or *home run* to represent the type of baseball hit.
3. Laminate the cards or balls.

## INSTRUCTIONS TO THE TEACHER FOR CONDUCTING ACTIVITY:

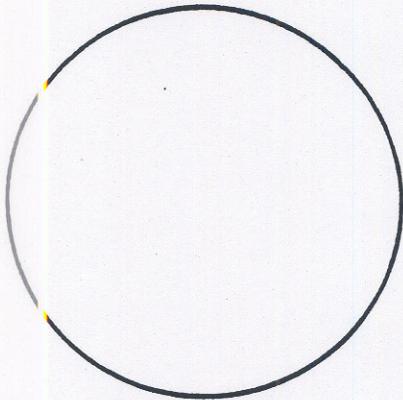
The chalkboard is Home Base. Chairs are arranged for 1st, 2nd and 3rd base in front of the room or around the room.

## EXTENSION:

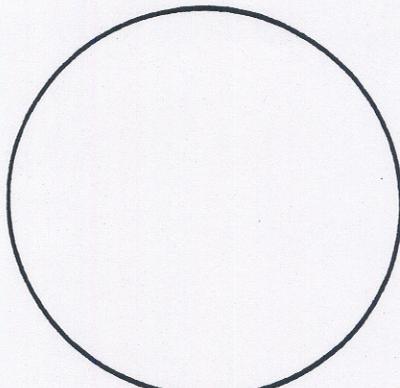
This activity can be extended to equations with decimals, fractions and on to two-step problems. (See pp. 82-86.)

### **DIRECTIONS TO THE STUDENT:**

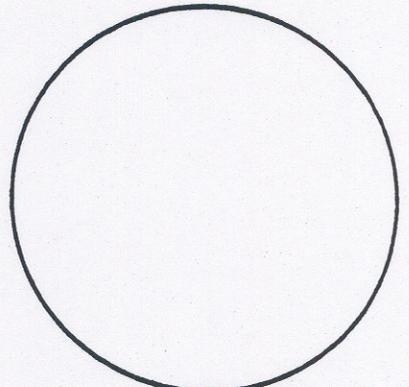
1. Divide the class into two teams. Draw straws to decide which team goes first or is "in town" first.
2. Each team decides on a name and these are written on the chalkboard. Scores are kept here.
3. The team "in town" stands while the team in the field stays seated.
4. First batter comes to the home base area and draws a ball from the container, writes the problem on the board and solves it. That player goes to the base indicated on the ball and sits down.
5. The fielders then decide whether the player is safe (if answer is correct) or out (incorrect answer). The player remains on base if safe, or returns to own desk and sits down, if out.
6. The second batter comes up, draws a ball, and works the problem on the board. Before the batter moves to base designated on the ball, each person on base must decide whether or not to "run" to the next base (whether or not the batter answered correctly). The batter then moves to designated base and each runner advances the same number of bases.
7. The fielders decide how many are safe (made correct decision) and how many are out (made incorrect decision).
8. Play continues. Runs and outs are recorded on board.
9. Home team and field team switch at three outs. The team with the most points after a predetermined number of innings is winner.



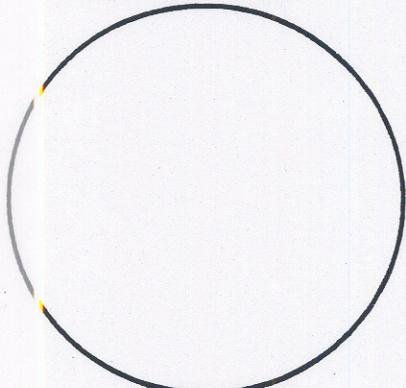
**HOME RUN**



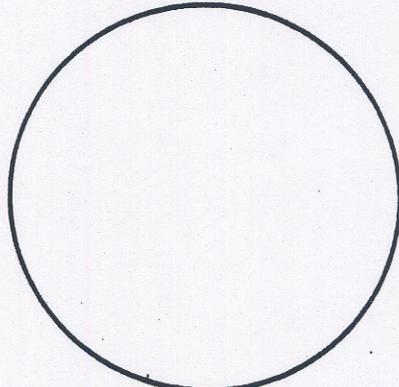
**TRIPLE**



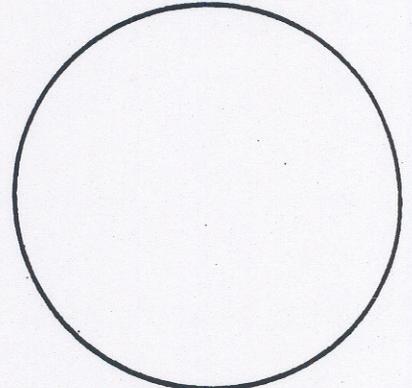
**DOUBLE**



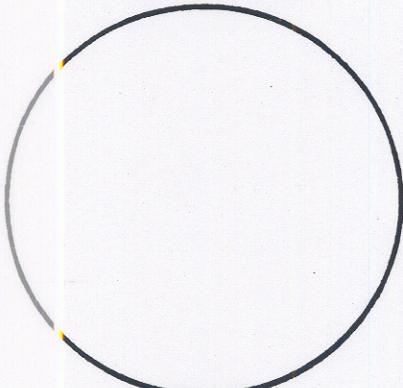
**SINGLE**



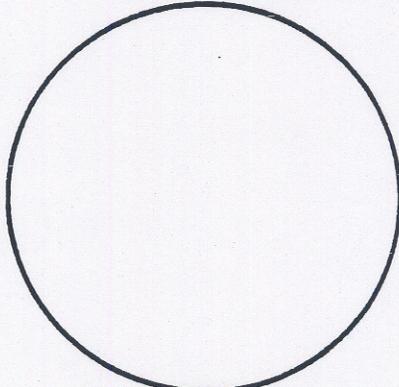
**HOME RUN**



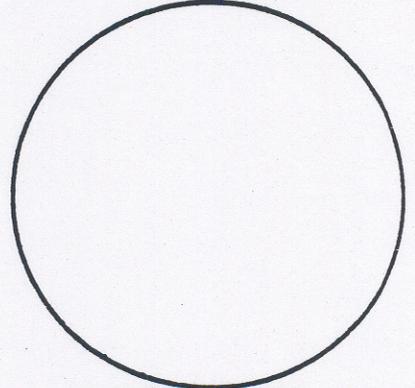
**TRIPLE**



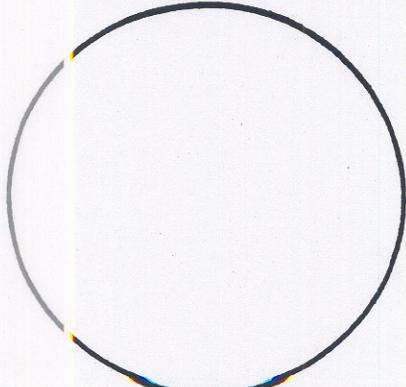
**DOUBLE**



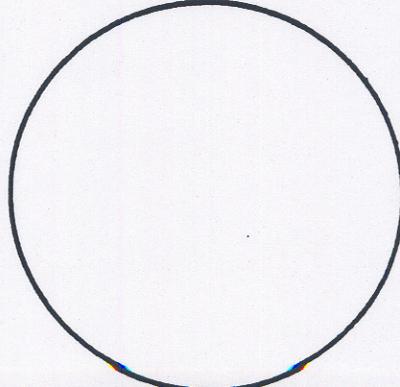
**SINGLE**



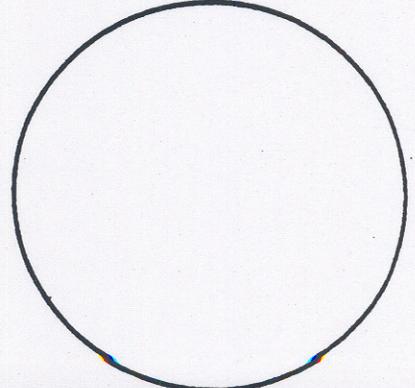
**HOME RUN**



**TRIPLE**



**DOUBLE**



**SINGLE**

$$9b = 72$$

HOME RUN

$$25x = 25$$

TRIPLE

$$7m = 42$$

DOUBLE

$$87 = 10s$$

SINGLE

$$32a = 192$$

HOME RUN

$$5c = 100$$

TRIPLE

$$192 = 12a$$

DOUBLE

$$4z = 50$$

SINGLE

$$8a = 32$$

HOME RUN

$$115 = 20a$$

TRIPLE

$$4x = 31$$

DOUBLE

$$72c = 0$$

SINGLE

$$4c = 38$$

HOME RUN

$$18x = 45$$

TRIPLE

$$8x = 5$$

DOUBLE

$$12b = 60$$

SINGLE

$$23x = 207$$

HOME RUN

$$12w = 90$$

TRIPLE

$$11x = 22$$

DOUBLE

$$7q = 35$$

SINGLE

$$12c = 192$$

HOME RUN

$$4n = 80$$

TRIPLE

$$3.5c = 7$$

DOUBLE

$$9c = 81$$

SINGLE

$$\frac{b}{7} = 9$$

HOME RUN

$$\frac{r}{9} = 7$$

TRIPLE

$$\frac{h}{4} = 10$$

DOUBLE

$$6 = \frac{t}{5}$$

SINGLE

$$\frac{b}{5} = 3$$

HOME RUN

$$\frac{c}{10} = 11$$

TRIPLE

$$9 = \frac{b}{8}$$

DOUBLE

$$6 = \frac{x}{3}$$

SINGLE

$$15 = \frac{c}{2}$$

HOME RUN

$$\frac{x}{6} = 13$$

TRIPLE

$$15 = \frac{x}{8}$$

DOUBLE

$$6 = \frac{e}{7}$$

SINGLE

$$\frac{x}{8} = 6$$

HOME RUN

$$\frac{c}{4} = 5$$

TRIPLE

$$\frac{x}{7} = 16$$

DOUBLE

$$\frac{a}{15} = 4$$

SINGLE

$$9 = \frac{b}{6}$$

HOME RUN

$$7 = \frac{h}{3}$$

TRIPLE

$$9 = \frac{c}{16}$$

DOUBLE

$$6 = \frac{a}{21}$$

SINGLE

$$\frac{b}{7} = 8$$

HOME RUN

$$\frac{c}{9} = 12$$

TRIPLE

$$21 = \frac{a}{6}$$

DOUBLE

$$18 = \frac{z}{7}$$

SINGLE

$$\frac{1}{8} b = \frac{3}{4}$$

**HOME RUN**

$$4n = \frac{1}{2}$$

**TRIPLE**

$$\frac{3}{4} y = \frac{1}{4}$$

**DOUBLE**

$$\frac{1}{2} a = 6$$

**SINGLE**

$$\frac{1}{3} x = 2$$

**HOME RUN**

$$\frac{7}{5} x = 21$$

**TRIPLE**

$$\frac{1}{4} n = \frac{5}{2}$$

**DOUBLE**

$$\frac{2}{3} x = \frac{2}{3}$$

**SINGLE**

$$3\frac{1}{3} y = 13\frac{1}{3}$$

**HOME RUN**

$$2.5f = 12.5$$

**TRIPLE**

$$0.1y = 0.5$$

**DOUBLE**

$$2.1s = 10.5$$

**SINGLE**

$$4c = 2.4$$

HOME RUN

$$0.8x = 0.48$$

TRIPLE

$$\frac{y}{4} = 2.5$$

DOUBLE

$$4.1 = \frac{m}{9}$$

SINGLE

$$\frac{x}{1\frac{1}{2}} = 2\frac{1}{4}$$

HOME RUN

$$\frac{4}{11}x = 64$$

TRIPLE

$$7.2b = 18$$

DOUBLE

$$4.9m = 34.3$$

SINGLE

$$\frac{m}{2} = 4\frac{1}{2}$$

HOME RUN

$$\frac{x}{7.1} = 0.4$$

TRIPLE

$$\frac{y}{2.5} = 6$$

DOUBLE

$$0.4 = 2x$$

SINGLE

$$x + 2\frac{1}{2} = 4$$

**HOME RUN**

$$y - 3\frac{2}{3} = 4$$

**TRIPLE**

$$34.5 + c = 52\frac{1}{4}$$

**DOUBLE**

$$x + 2\frac{1}{2} = 3\frac{3}{4}$$

**SINGLE**

$$y - 5 = 13\frac{1}{2}$$

**HOME RUN**

$$b + 3.7 = 9$$

**TRIPLE**

$$c - 4.8 = 11.2$$

**DOUBLE**

$$y + 2.5 = 3.4$$

**SINGLE**

$$p - 12.7 = 3.2$$

**HOME RUN**

$$x + 2.7 = 9.25$$

**TRIPLE**

$$y - 13.8 = 6.7$$

**DOUBLE**

$$b + 3 = 10.7$$

**SINGLE**

$$2n - 1 = 15$$

**HOME RUN**

$$\frac{3x}{4} = 6$$

**TRIPLE**

$$4n - 6 = 18$$

**DOUBLE**

$$\frac{n}{3} + 7 = 5$$

**SINGLE**

$$\frac{n}{5} + 1 = 10$$

**HOME RUN**

$$3x - 1 = 15$$

**TRIPLE**

$$5x + 3 = 18$$

**DOUBLE**

$$9x - 8 = 100$$

**SINGLE**

$$\frac{x}{10} + 100 = 1,000$$

**HOME RUN**

$$\frac{x}{4} - 3 = 45$$

**TRIPLE**

$$3p + 2 = 23$$

**DOUBLE**

$$\frac{s}{4} - 3 = 9$$

**SINGLE**

$$3n + 5 = 35$$

HOME RUN

$$6 + \frac{n}{3} = 36$$

TRIPLE

$$\frac{2e}{3} - 4 = 5$$

DOUBLE

$$5x - 6 = 19$$

SINGLE

$$\frac{2f}{5} + 3 = 7$$

HOME RUN

$$4n - n + 1 = 10$$

TRIPLE

$$10d + 100 = 1,000$$

DOUBLE

$$5 - 3m + 5m = 31$$

SINGLE

$$8x - 4 = 36$$

HOME RUN

$$30 = 4y + 6$$

TRIPLE

$$\frac{n}{5} + 6 = 9$$

DOUBLE

$$4 = \frac{x}{12} - 1$$

SINGLE