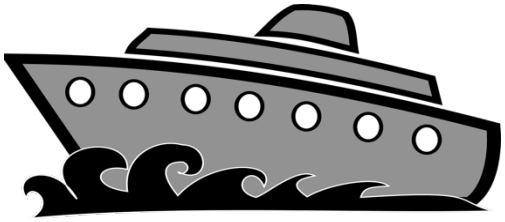


BATTLE MY MATH SHIP

Solve Quadratics: Square Root

PLAYER 1

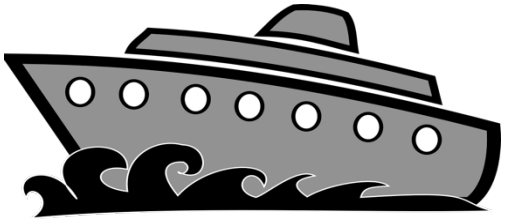
Mark 10 spaces on your board as your battleships. AFTER your opponent solves an equation, state whether they "hit" or "missed" a battleship. Cross off the boxes your opponent attacked and solved correctly.

	A	B	C	D	E
1	$x = \{-2, 2\}$	$x = \left\{\frac{7 \pm \sqrt{3}}{2}\right\}$	$x = \{-4, 4\}$	$x = \left\{-\frac{3}{8}, \frac{3}{8}\right\}$	$x = \{-4, 4\}$
2	$x = \{-3\sqrt{7}, 3\sqrt{7}\}$	$x = \left\{-\frac{5}{2}, \frac{5}{2}\right\}$	$x = \{2, 6\}$	$x = \{-6, 6\}$	$x = \left\{-\frac{4}{3}, \frac{4}{3}\right\}$
3	$x = \{-10, 10\}$	$x = \{-8, 8\}$	$x = \{-\sqrt{67}, \sqrt{67}\}$	$x = \{3 \pm \sqrt{17}\}$	$x = \{0\}$
4	$x = \left\{\frac{1}{5}, \frac{7}{5}\right\}$	$x = \{-5, 5\}$	$x = \{-7, 7\}$	$x = \{-1, 1\}$	$x = \{-9, 9\}$
5	$x = \{-\sqrt{91}, \sqrt{91}\}$	$x = \{-3, 3\}$	$x = \{-7, 7\}$	$x = \{-\sqrt{71}, \sqrt{71}\}$	$x = \{-3, -1\}$

Identify the space you would like to attack. Solve the equation to see if you sunk a battleship.

	A	B	C	D	E
1	$x^2 - 1 = 3$	$100x^2 + 7 = 11$	$(x + 1)^2 - 4 = 0$	$-9x^2 - 5 = -230$	$6x^2 = 486$
2	$-2x^2 = -110$	$(4x + 5)^2 - 49 = 0$	$36x^2 + 7 = 107$	$(x + 3)^2 - 1 = 0$	$5x^2 + 10 = 15$
3	$-9 + 64x^2 = 27$	$25x^2 - 2 = 34$	$5x^2 = 500$	$4x^2 - 8 = 136$	$-7x^2 = -28$
4	$5x^2 = 320$	$x^2 + 9 = 90$	$x^2 - 3 = 46$	$(2x + 5)^2 = 6$	$9x^2 + 9 = 90$
5	$(x - 3)^2 = 15$	$4x^2 + 4 = 96$	$-8x^2 = -568$	$5x^2 + 5 = 485$	$x^2 + 6 = 70$

The player that sinks the most battleships wins!!!



BATTLE MY MATH SHIP

Solve Quadratics: Square Root

PLAYER 2

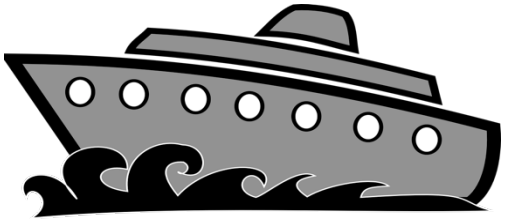
Mark 10 spaces on your board as your battleships. AFTER your opponent solves an equation, state whether they "hit" or "missed" a battleship. Cross off the boxes your opponent attacked and solved correctly.

	A	B	C	D	E
1	$x = \{-2, 2\}$	$x = \left\{-\frac{1}{5}, \frac{1}{5}\right\}$	$x = \{-3, 1\}$	$x = \{-5, 5\}$	$x = \{-9, 9\}$
2	$x = \{-\sqrt{55}, \sqrt{55}\}$	$x = \left\{-3, \frac{1}{2},\right\}$	$x = \left\{-\frac{5}{3}, \frac{5}{3}\right\}$	$x = \{-4, -2\}$	$x = \{-1, 1\}$
3	$x = \left\{-\frac{3}{4}, \frac{3}{4}\right\}$	$x = \left\{-\frac{6}{5}, \frac{6}{5}\right\}$	$x = \{-10, 10\}$	$x = \{-6, 6\}$	$x = \{-2, 2\}$
4	$x = \{-8, 8\}$	$x = \{-9, 9\}$	$x = \{-7, 7\}$	$x = \left\{\frac{-5 \pm \sqrt{6}}{2}\right\}$	$x = \{-3, 3\}$
5	$x = \{3 \pm \sqrt{15}\}$	$x = \{-\sqrt{23}, \sqrt{23}\}$	$x = \{-\sqrt{71}, \sqrt{71}\}$	$x = \{-4\sqrt{6}, 4\sqrt{6}\}$	$x = \{-8, 8\}$

Identify the space you would like to attack. Solve the equation to see if you sunk a battleship.

	A	B	C	D	E
1	$-2x^2 = -8$	$(2x - 7)^2 = 3$	$6x^2 + 8 = 104$	$64x^2 - 2 = 7$	$-x^2 = -16$
2	$x^2 - 5 = 58$	$4x^2 - 9 = 16$	$(x - 4)^2 - 4 = 0$	$3x^2 + 6 = 114$	$9x^2 - 2 = 14$
3	$x^2 + 8 = 108$	$x^2 + 1 = 65$	$2x^2 + 6 = 140$	$(x - 3)^2 = 17$	$x^2 + 10 = 10$
4	$(5x - 4)^2 - 9 = 0$	$x^2 + 3 = 28$	$-9x^2 = -441$	$3x^2 = 3$	$-10x^2 = -810$
5	$9x^2 + 1 = 820$	$7x^2 = 63$	$-3x^2 + 7 = -140$	$x^2 + 6 = 77$	$(x + 2)^2 - 1 = 0$

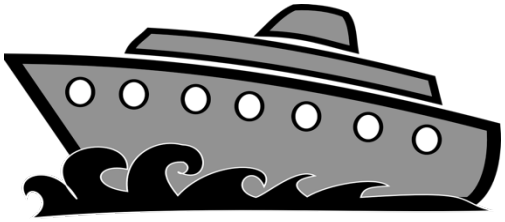
The player that sinks the most battleships wins!!!



BATTLE MY MATH SHIP

Solve Quadratics: Square Root

Identify the space you chose to attack in the box and show your work to solve.



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