

I Have... Who Has... Game

By Christine Koers

Algebra

You must use all 30 of the cards in each deck. (Use only one deck at a time; decks are not interchangeable.) One deck is considered a challenging level, and the second deck is a little more difficult.

The idea of the game is to beat the previous time that each complete round of reading takes. Shuffle one deck of cards and pass that deck out. You can start with any student. That student will read the question at the bottom of his or her card. Students then have to figure out the correct algebra answer to that question. The student with the answer on his or her card will read the next question. The process keeps going until you end up back to the student who read the first question.

Included is a listing of all of the problems for each deck of cards so the teacher can follow the process. Answers are also provided following each problem.

This game provides wonderful motivation for students to use their mental skills.

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Algebra Answers

Deck A

I have...	Who has...
1. $x = 14$... $x + 4 = 8$
2. $x = 4$... $x - 5 = 3$
3. $x = 8$... $-4x = 24$
4. $x = -6$... $\frac{x}{2} = 3$
5. $x = 6$... $x + 10 = 17$
6. $x = 7$	... $x - 3 = -7$
7. $x = -4$	... $x + 5 = -6$
8. $x = -11$	... $\frac{x}{-5} = 4$
9. $x = -20$	... $3x = 33$
10. $x = 11$	... $4 + x = 4$
11. $x = 0$	... $\frac{x}{3} = 5$
12. $x = 15$	... $x - 17 = 6$
13. $x = 23$	... $-8x = 16$
14. $x = -2$	... $15 + x = -4$
15. $x = -19$	... $\frac{x}{-4} = -7$
16. $x = 28$	... $x - 7 = 22$
17. $x = 29$	... $-6 + x = 3$
18. $x = 9$	... $9x = -63$
19. $x = -7$	... $x + 3 = -7$
20. $x = -10$	... $x - 5 = -2$
21. $x = 3$	... $\frac{x}{6} = -6$
22. $x = -36$	... $21 + x = -5$
23. $x = -26$	... $-4x = -20$
24. $x = 5$	... $x + 8 = -4$
25. $x = -12$	... $x - 19 = 0$
26. $x = 19$	... $-9 + x = 9$
27. $x = 18$	... $-6x = 54$
28. $x = -9$	... $\frac{x}{-1} = -1$
29. $x = 1$	... $x + 6 = 19$
30. $x = 13$	... $x - 7 = 7$

Deck B

I have...	Who has...
1. $x = 3$	... $2x - 3 = 11$
2. $x = 7$	... $-3x + 1 = 10$
3. $x = -3$	... $4 + 5x = 29$
4. $x = 5$	... $6 - x = -7$
5. $x = 13$	... $-7x - 2 = 5$
6. $x = -1$	... $\frac{2}{3}x = 8$
7. $x = 12$	... $6 - 8x = -10$
8. $x = 2$	... $\frac{x}{3} + 2 = 9$
9. $x = 21$	... $7 - x = -8$
10. $x = 15$	... $6x - 1 = 23$
11. $x = 4$	... $\frac{-3}{5}x = 9$
12. $x = -15$	... $5 - 2x = 17$
13. $x = -6$	... $-x + 12 = 2$
14. $x = 10$	... $-3x + 5 = 20$
15. $x = -5$	... $\frac{x}{4} - 6 = 2$
16. $x = 32$	... $7 - 4x = 7$
17. $x = 0$	... $\frac{7}{4}x = 35$
18. $x = 20$	... $3x + 21 = 0$
19. $x = -7$	... $8 - 7x = 1$
20. $x = 1$	... $6 + \frac{x}{5} = -3$
21. $x = -45$	... $13 - x = 21$
22. $x = -8$	... $4x + 4 = -4$
23. $x = -2$	... $\frac{-3}{2}x = 6$
24. $x = -4$	... $-5x + 3 = -27$
25. $x = 6$	... $\frac{x}{3} - 1 = 9$
26. $x = 30$	... $\frac{x}{8} + 2 = 7$
27. $x = 40$	... $2x + 5 = -15$
28. $x = -10$	... $7 - 4x = 51$
29. $x = -11$	... $\frac{-5}{4}x = 35$
30. $x = -28$	... $6x - 7 = 11$