

Challenge

Problem-Solving Strategy: Make a Table

Both Sabrina and Rex are saving up to buy a new video game. Sabrina has \$15. Rex has \$9. Sabrina saves \$2 each week. Rex saves \$4 each week. Complete the table to answer the questions below.

		1									
Sabrina	$s + 2$										
Rex											

- How many weeks will it be until Sabrina and Rex have the same amount of money saved? How much money will each person have then?

- The video game they want to buy costs \$35. How many weeks will it take each person to save enough money for the game?

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		1	2	3	4	5	6	7	8	9	10
Sabrina	$s + 2$	\$17	\$19	\$21	\$23	\$25	\$27	\$29	\$31	\$33	\$35
Rex	$r + 4$	\$13	\$17	\$21	\$25	\$29	\$33	\$37	\$41	\$45	\$49

1. How many weeks will it be until Sabrina and Rex have the same amount of money saved? How much money will each person have then?

3 weeks; \$21

2. The video game they want to buy costs \$35. How many weeks will it take each person to save enough money for the game?

It will take Rex 7 weeks to save \$35. It will take Sabrina 10 weeks to save \$35.
