Arithmetic Sequence - Word Problems

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Name

Score

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Solve and show all steps.

Problem	Show all steps here
Sarah starts a new savings plan. In the first week, she saves $20. Each week after that, she plans to save an additional $5. If she continues this pattern, how much money will she save in the 15th week?	
An auditorium has 25 seats in the first row. If each subsequent row has 4 more seats than the row before it, and there are 18 rows in total, how many seats are in the last row?	
A runner begins a new training program. On the first day, she runs 2 miles. Each day, she increases her distance by 0.5 miles. On which day will she run exactly 10 miles?	
A grocery store manager is stacking cans for a display. The bottom row has 42 cans, the row above it has 39 cans, and the next row has 36 cans. If this pattern continues, how many cans are in the 10th row from the bottom?	
A child builds a tower with blocks. The first layer has 50 blocks. Each layer above it has 4 fewer blocks than the one below it. If the last layer has 10 blocks, how many layers are in the tower?	

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Answer Key

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Solve and show all steps.

90

93

17

15

11