

Name _____

Date _____

Generating Math Patterns From Rules- Step-by-Step Lesson

15 people can sit in the back of the bus. 10 people can sit in the front of the bus. Complete the table to show how many people 'p' can be accommodated based on the number of buses 'b'.

Function: $p = 15b + (10b)$

b	p
4	100
5	
6	
7	



Explanation:

To find the value of people 'p' we have to solve with the given function.

First see how the value '70' came to be.

To find out the value solve by the function.

Function given: $p = 15b + (10b)$

$$P = 15 \times 4 + (10 \times 4) = 100$$

$$P = 15 \times 5 + (10 \times 5) = 125$$

$$P = 15 \times 6 + (10 \times 6) = 150$$

$$P = 15 \times 7 + (10 \times 7) = 175$$

b	p
4	100
5	125
6	150
7	175

Now, fill the numbers in the table.

