

## EoVGT- Equations of Verbal, Graph, Table

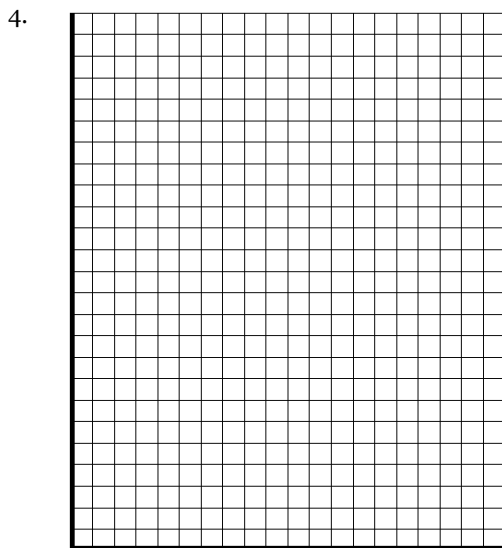
Determine the initial value and rate of change. Write the linear equation.

1. It costs Mr. Verback and his team \$15 to design and make the logo for the basketball t-shirts. Each shirt will then cost \$7. Write an equation to represent the relationship between the number of shirts  $x$  and the total cost  $y$  of the team's shirts.

Initial value: \_\_\_\_\_ Rate of Change: \_\_\_\_\_ Equation: \_\_\_\_\_

2. According to the vet, Boris' weight of 13 pounds is too heavy. The goal is to lose  $\frac{1}{4}$  of a pound each month. Write an equation to represent the relationship between the number of months  $x$  and the total weight  $y$  after Boris' diet.

Initial value: \_\_\_\_\_ Rate of Change: \_\_\_\_\_ Equation: \_\_\_\_\_



Initial value:

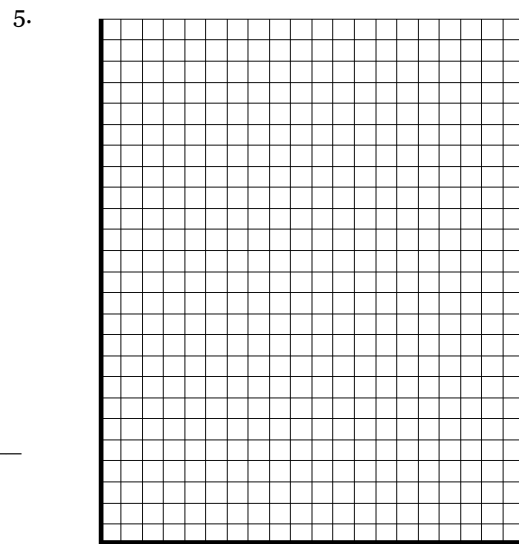
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Rate of Change:

\_\_\_\_\_

Equation:

\_\_\_\_\_



Initial value:

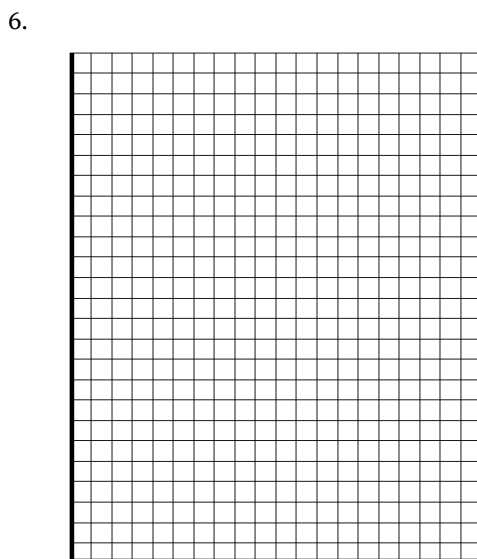
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Rate of Change:

\_\_\_\_\_

Equation:

\_\_\_\_\_



Initial value:

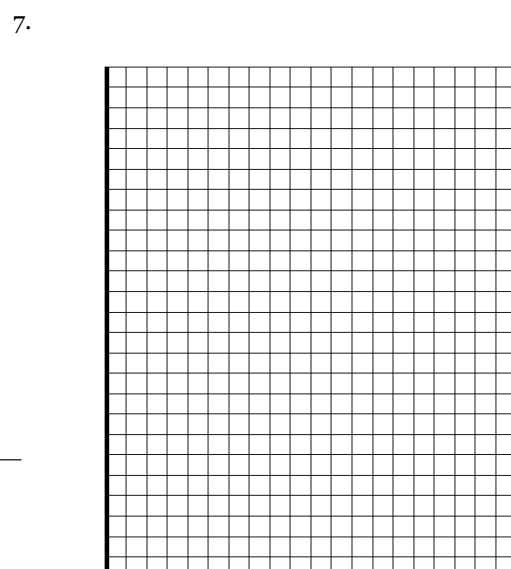
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Rate of Change:

\_\_\_\_\_

Equation:

\_\_\_\_\_



Initial value:

\_\_\_\_\_

Rate of Change:

\_\_\_\_\_

Equation:

\_\_\_\_\_

8. Cost of gasoline for motorcycle

gallons of gas	0	1	2	3
total cost	5	7.50	10	12.50

Initial value: \_\_\_\_\_ Rate of Change: \_\_\_\_\_ Equation: \_\_\_\_\_

9. Cost for electrician to fix electricity

# of hours	2	4	8	10
total cost	100	150	250	300

Initial value: \_\_\_\_\_ Rate of Change: \_\_\_\_\_ Equation: \_\_\_\_\_

10. Number of gallons of cement on cement truck being dumped

# of minutes	0	5	10	15
gallons of cement	150	100	50	0

Initial value: \_\_\_\_\_ Rate of Change: \_\_\_\_\_ Equation: \_\_\_\_\_

11. Cost of a gym membership

# of months	3	6	12	20
cost	55	70	100	140

Initial value: \_\_\_\_\_ Rate of Change: \_\_\_\_\_ Equation: \_\_\_\_\_