

Name _____

Date _____

Graphs of Proportional Relationships - Independent Practice Worksheet

Complete all the problems.

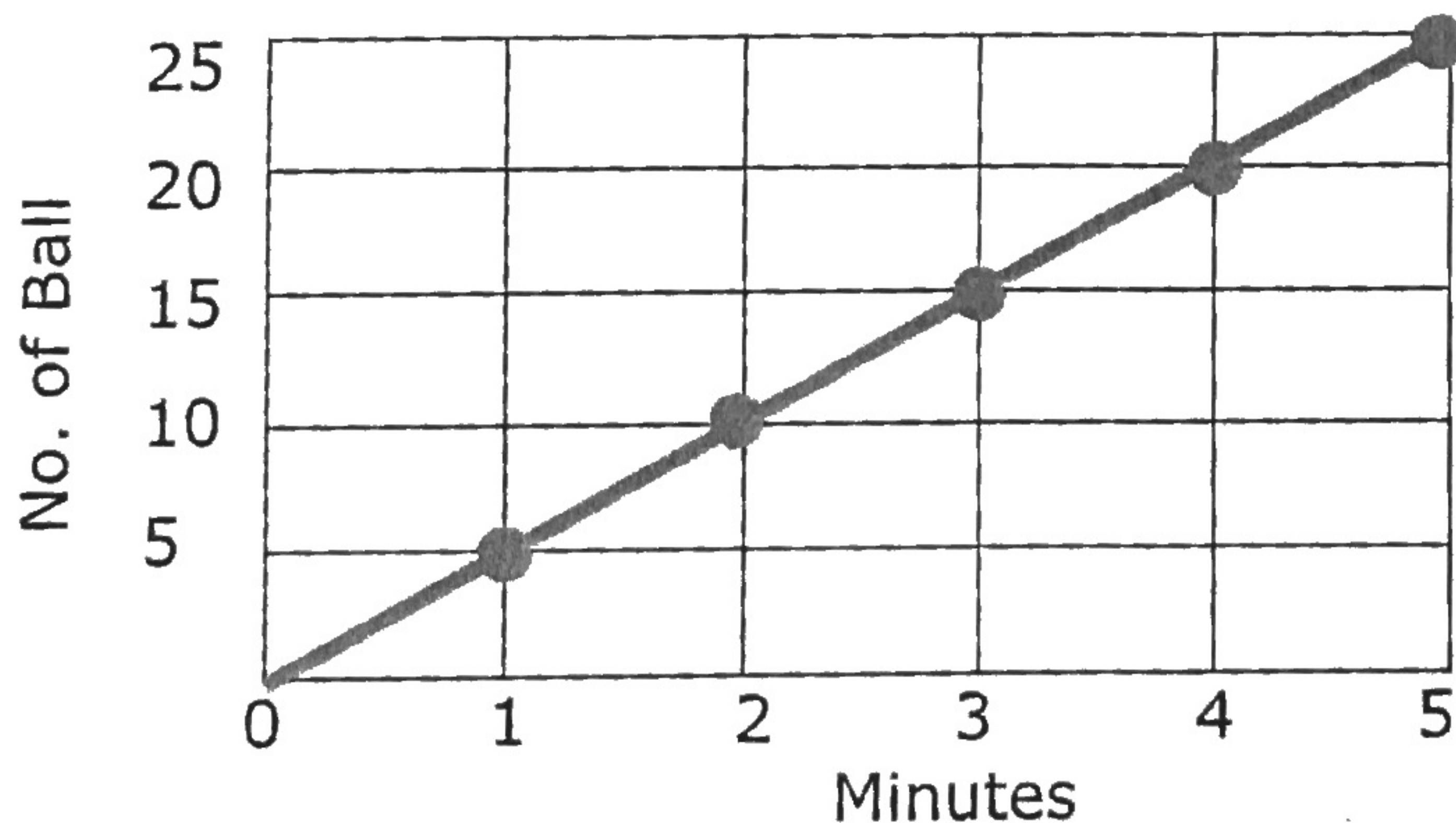
1. Olivia sold water bottles over four days. *Sketch* a graph to determine if the quantities of bottles and number of days are proportional. If the quantities are proportional, what is the constant of proportionality?

Days	1	2	3	4
Number of Bottle	4	8	12	16

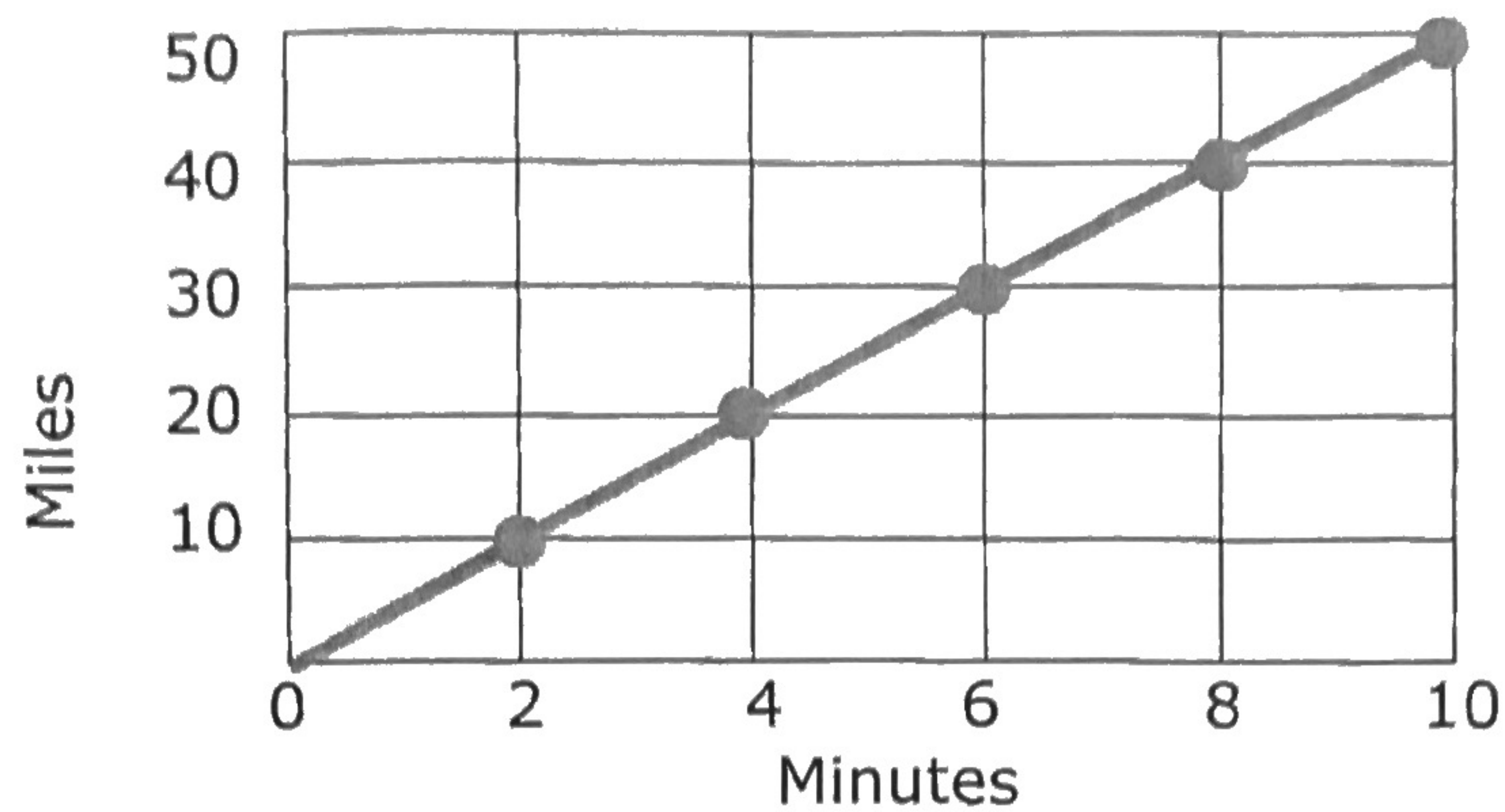
2. Aiden brought some pencils and boxes. *Sketch* a graph to determine if the quantities of boxes and pencils are proportional. If the quantities are proportional, what is the constant of proportionality?

Number of Boxes	2	4	6	8
Number of Pencil	4	8	12	16

3. The graph below represents the number of balls thrown over time. What is the constant of proportionality?



4. The graph below represents the number of miles Michael ran over time. What is the constant of proportionality?



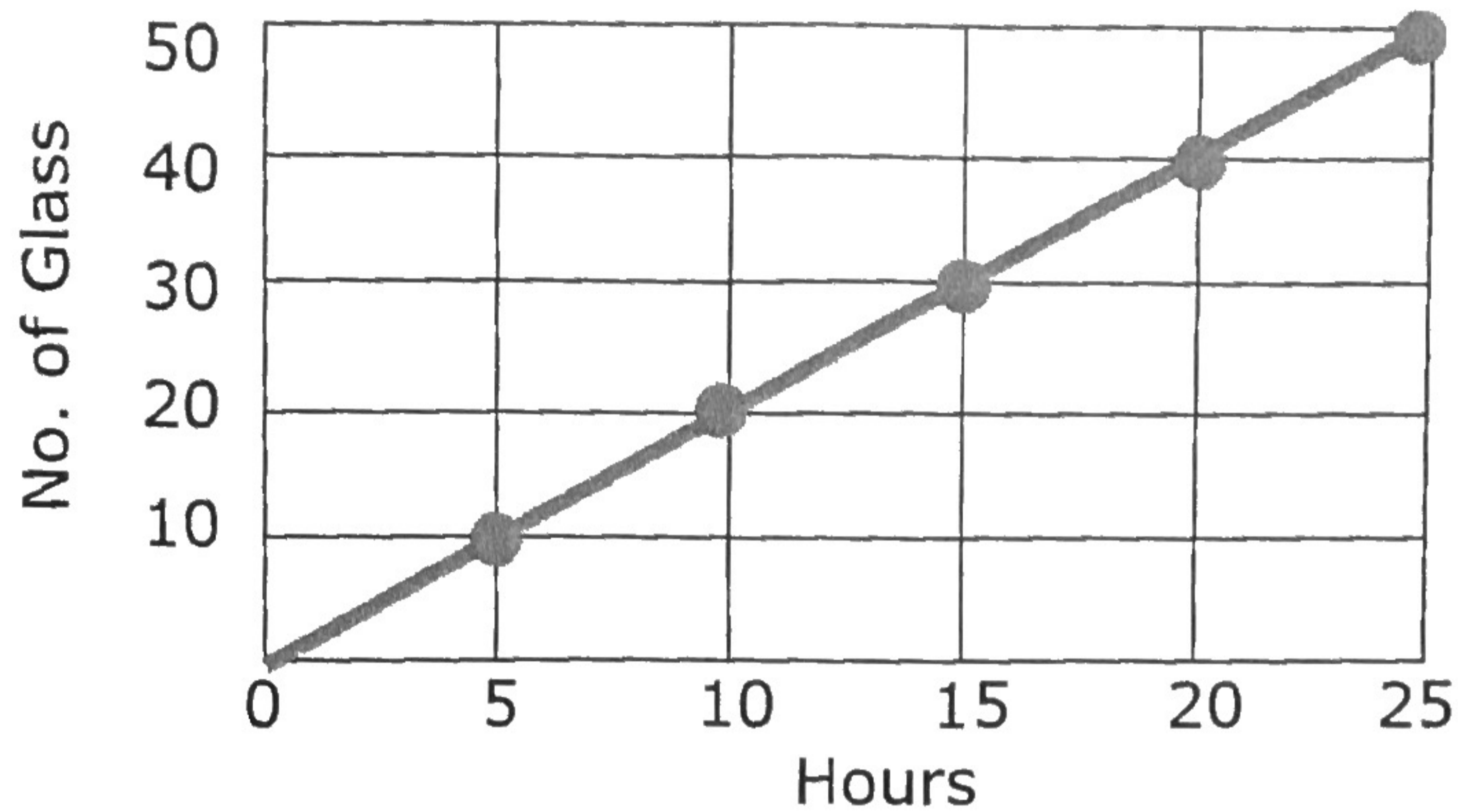
5. Jayden sold mobile phone over four days. *Sketch* a graph to determine if there is a proportional relationship between the data. If the quantities are proportional, what is the constant of proportionality?

Days	1	2	3	4
Number of Cell Phone	5	10	15	20

6. William made cookies over consecutive hours. *Sketch* a graph to determine if a proportional relationship exists between time and the number of cookies made. If the quantities are proportional, what is the constant of proportionality?

Number of Hours	1	2	3	4	5
Number of Cookies	15	30	45	60	75

7. The graph below represents the number of glasses Tom drank over time. What is the constant of proportionality?



8. Mason made omelettes. *Sketch* a graph to determine if there is a proportional relationship between the number of eggs used and the number of omelettes made. If the quantities are proportional, what is the constant of proportionality?

Number of Eggs	3	6	9	12	15
Number of omelette	6	12	18	24	30

9. Isabella made necklaces with beads. *Sketch* a graph to determine if the quantities of beads and necklace are proportional. If the quantities are proportional, what is the constant of proportionality?

Number of Necklace	2	4	6	8	10
Number of Beads	7	14	21	28	35

10. The graph below represents the number of vertical jumps Ava can do over time. What is the constant of proportionality?

