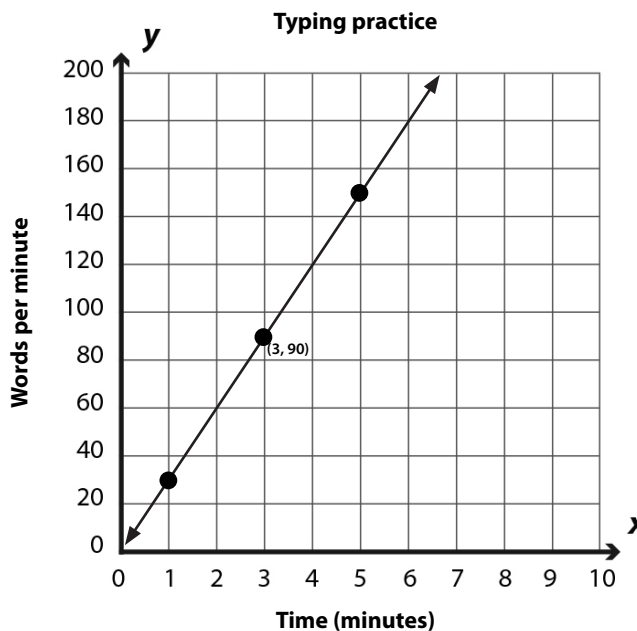


## 8.EE.B.5 ADDITIONAL PRACTICE

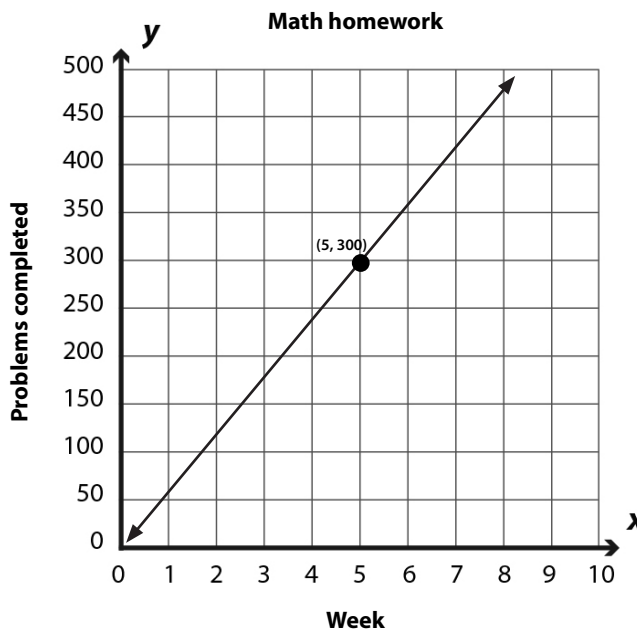
Use the graph at the right to answer questions 1-3.

- 1) Determine the slope of the graph. State the unit rate in the context of the problem.
- 2) Jenny typed 40 words in 2 minutes. Graph the line that represents Jenny's typing speed. State the unit rate in the context of the problem.
- 3) The equation  $y = 35x$  represents the relationship between the number of words David types ( $y$ ) and the number of minutes he spends typing ( $x$ ). Who types faster, Jenny or David?



Use the graph at the right to answer questions 4-5.

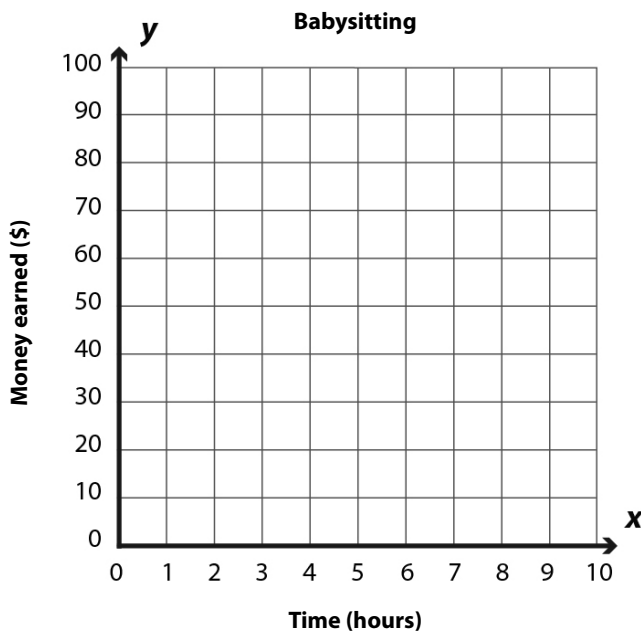
- 4) Determine the slope of the graph. State the unit rate in the context of the problem.
- 5) An 8th grader completed 200 problems by Week 4. Graph the line that represents this proportional relationship on the graph. State the unit rate in the context of the problem.



## 8.EE.B.5 ADDITIONAL PRACTICE (cont'd)

Use the information below to answer Questions 6-10.

Three friends, Maya, Jesse, and Sam work separately as babysitters after school. There is a proportional relationship between the hours each student spends baby-sitting ( $x$ ) and the amount of money earned ( $y$ ).



- 6) After 4 hours of babysitting, Maya earned \$47. Graph and label the line that represents the money Maya earned over time. State the unit rate in the context of the problem.
- 7) The equation  $y = 12.5x$  represents the relationship between the money earned ( $y$ ) and hours that Jesse babysits ( $x$ ). Graph and label Jesse's earnings over time above.
- 8) Who has a cheaper hourly rate, Maya or Jesse?
- 9) Sam's babysitting earnings are reflected in the table to the right. Determine the unit rate.
- 10) Write an equation that could reflect another babysitter whose hourly rate is more expensive than Jesse's.

<b>Time (hours)</b>	3	6	9
<b>Money earned (\$)</b>	\$36.75	\$73.50	\$110.25