# Kareem’s Paystub

Kareem works as a checkout clerk at Best Food Supermarket and received the following report.

|  |  |  |
| --- | --- | --- |
| Employee Name | Kareem Martin | |
| Employee ID | #32156 | |
| **Pay Period Ending** | **Hours** | **Net Pay** |
| Dec 11, 2016 | 20 | $325.00 |
| Dec 4, 2016 | 26 | $430.00 |
| Nov 27, 2016 | 32 | $535.00 |
| Nov 20, 2016 | 22 | $360.00 |
| Nov 13, 2016 | 24 | $395.00 |
| Nov 6, 2016 | 30 | $500.00 |



What do you notice?

What do you wonder?

# Calculating Net Pay

Kareem is looking over his recent paychecks to make sure he got paid correctly.

|  |  |  |
| --- | --- | --- |
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| Nov 6, 2016 | 30 | $500.00 |

How is Kareem’s net pay being calculated? Explain your thinking below.

# Support and Push

Cut out these cards before class. Share a card with a group of students only if they need it to keep working productively.

**SUPPORT**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| How much money would Kareem make if he worked 28 hours? | |  |  | | --- | --- | | **Hours** | **Net Pay** | | 20 | $325.00 | | 22 | $360.00 | | 24 | $395.00 | | 26 |  | | 28 |  | | 30 |  | |
| If Kareem worked 23 hours, how much would he get paid? | Kareem worked 16 hours in the pay period ending on Dec. 18th. He was paid $255. |

**PUSH**

|  |  |
| --- | --- |
| How much money would Kareem get in net pay if he worked just 2 hours in a week? | How much is being deducted from Kareem’s salary each week? |
| For the week of October 30th, Kareem was paid $587.50.  How many hours did he work? | Write a function to calculate Kareem’s net pay from the number of hours he works. |

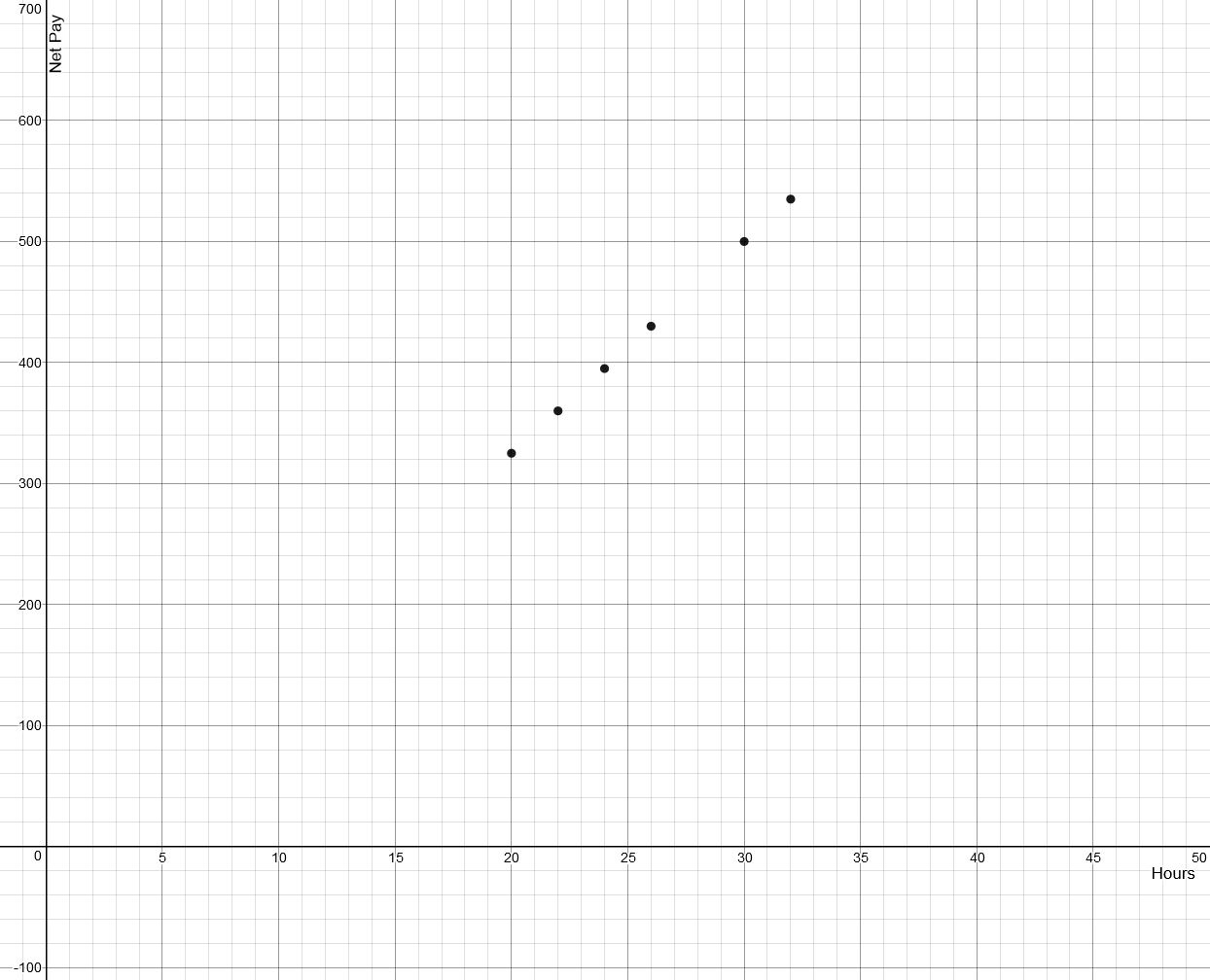
# Write Questions to Match the Calculations

The numbers below are from Kareem’s paystub. Each of these calculations can be used to answer different questions.

What questions do each of these calculations answer?

1. CodeCogsEqn(8).gif
2. CodeCogsEqn.gif
3. CodeCogsEqn(1).gif
4. CodeCogsEqn(4).gif
5. CodeCogsEqn(9).gif

# Graphing Work Hours and Net Pay



Complete the table below and then plot all data on the graph above.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hours | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
| Net Pay |  | 325 | 360 |  | 430 |  | 500 | 535 |  |  |  |  |

# TASC Practice Question

Kareem works a part-time job at a supermarket in his neighborhood. He is paid an hourly wage and has a weekly deduction from his paycheck that goes towards his transportation. The number of hours and the pay he received for the past 6 weeks are shown in the table.

|  |  |
| --- | --- |
| **Hours** | **Pay ($)** |
| 20 | 325 |
| 26 | 430 |
| 32 | 535 |
| 22 | 360 |
| 24 | 395 |
| 30 | 500 |

Which linear function models the relationship between the number of hours worked, *t*, and his total pay, *P(t)*?

1. *P(t)* = 17.5*t*
2. *P(t)* = 16.25*t*
3. *P(t)* = 25*t* - 17.5
4. *P(t)* = 17.5*t* - 25

|  |
| --- |
| Why did you choose this answer? |