**What is the best internet deal?**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_Date: \_\_\_\_\_\_\_\_

Subject Ms. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Learning Target:** Today I am comparing cost of different internet providers so that I can decide which is the most cost efficient. I know I’ve got it when I can make a claim and support which internet provider is the best.

**Task # 1:** List 3 things that you expect from a good internet provider. Make sure to explain why these things are important to you.



**Task # 2:** Using the [2018-Broadband-Website Data](https://docs.google.com/spreadsheets/d/1kvwvr3Uy64A2B4RzENhF0Lb14Kgp-RGX9NIyVdTuVwY/edit?usp=sharing) spreadsheet, you will need to choose a state in which you would like to compare the cost of different internet providers. Each internet provider should be located in the **SAME** state.

Focus on columns A, B, D, F, and H.

* Column A-Provider
* Column B- State
* Column D- Technology
* Column F- Upload Bandwidth Mbps
* Column H-Monthly Charge

Using the “Estimate price per month” and “upload rate” (used for friendly number purposes) calculate and compare the unit price for at least 5 internet providers in the state of your choice.

(Table on the next page)

You can use the table below to help you organize your information:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Internet Broadband Cost Data | | | | |
| Name of Provider | State | Technology | Upload Bandwidth (Mbps) | Monthly Charge |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Task # 3:** How can you use the data you compiled in the table above to help you decide which internet provider is the best to give your business to? In 2-3 sentences describe what you think you will need to do.

**Task #4:** Find which company provides the best service by finding the unit price. Make sure that you are using the equation for constant rate of proportionality.

Constant rate of proportionality: k = y/x.

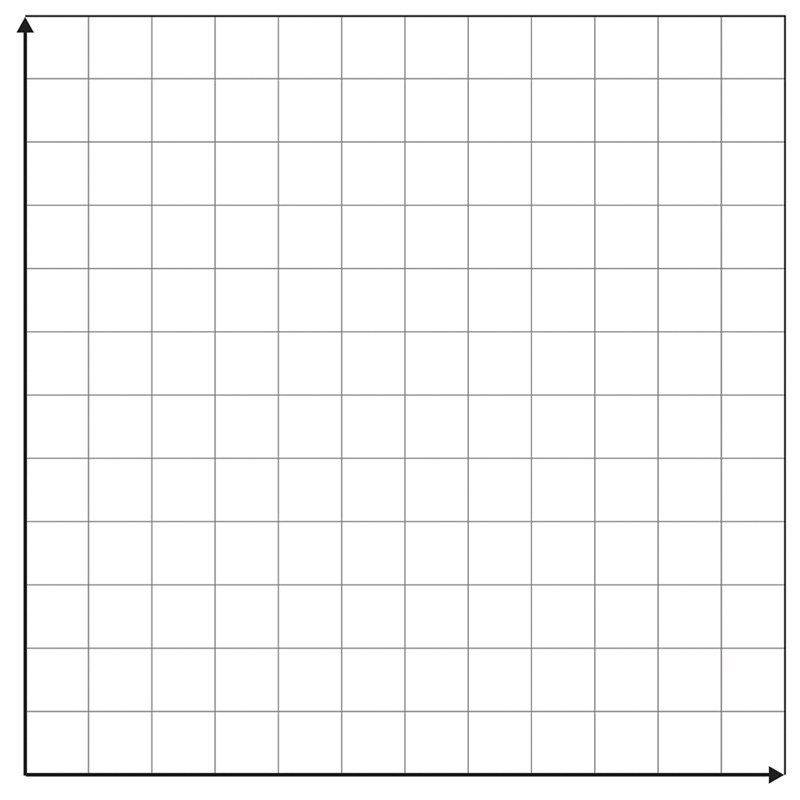
Identify the x: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Identify the y: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Table on next page)

|  |  |  |  |
| --- | --- | --- | --- |
| Internet Broadband Cost Data | | | |
| Name of Internet Provider | X | Y | K |
|  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Task #5:**  Now that you have found the unit price for each of the internet providerscreate a graph to show the relationship between the cost per month and the upload speed.



**Task #6:** Once you have completed your calculations, you will make an advertisement (written ad or commercial) promoting the internet provider service that you believe to give customers the best deal.

Advertisement **must include**: name, location, monthly cost, and unit price for upload speeds.