

## Independent & Dependent Variables

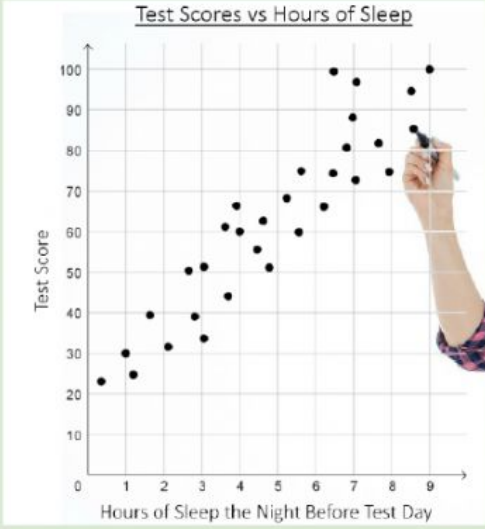
Drag each property to the correct box

- The variable being studied or measured
- Its values are based on the other variable
- Its values are chosen by the experimenter

- Affects or changes the values of the other variable
- Its values depend on the values of the other variable

### Independent Variable

### Dependent Variable

Match the labels below with the correct axis	Match the labels below with the correct column																
<div style="text-align: center;"> <p><u>Test Scores vs Hours of Sleep</u></p>  </div>	<table border="1" style="margin: auto; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #3f51b5; color: white;"> <th style="padding: 5px;">Age (Years)</th> <th style="padding: 5px;">Value (\$)</th> </tr> </thead> <tbody> <tr><td style="padding: 5px;">0</td><td style="padding: 5px;">45 000</td></tr> <tr><td style="padding: 5px;">1</td><td style="padding: 5px;">36 000</td></tr> <tr><td style="padding: 5px;">2</td><td style="padding: 5px;">32 400</td></tr> <tr><td style="padding: 5px;">3</td><td style="padding: 5px;">29 160</td></tr> <tr><td style="padding: 5px;">4</td><td style="padding: 5px;">26 244</td></tr> <tr><td style="padding: 5px;">5</td><td style="padding: 5px;">23 620</td></tr> <tr><td style="padding: 5px;">6</td><td style="padding: 5px;">21 258</td></tr> </tbody> </table>	Age (Years)	Value (\$)	0	45 000	1	36 000	2	32 400	3	29 160	4	26 244	5	23 620	6	21 258
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	<b>If the statement below is true about independent variable write IV in the box If the statement below is true about dependent variable write DV in the box</b>
	It is usually found on the vertical axis of a graph
	It is usually found on the horizontal axis of a graph
	It is usually found in the left-hand column of a table of values.
	It is usually found in the right-hand column of a table of values.

Select the correct response for each questions below

Jasmine is calculating her potential earning from her new job. For each hour of work, she earns \$28. Using this rate, she determines her earnings for a 30-hour work week. Select the **independent variable** for this situation

earnings	\$28	30 hours	# of hours worked
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Jasmine is calculating her potential earning from her new job. For each hour of work, she earns \$28. Using this rate, she determines her earnings for a 30-hour work week. Select the **slope (rate of change)** for this situation

earnings	\$28	30 hours	# of hours worked
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Jasmine is calculating her potential earning from her new job. For each hour of work, she earns \$28. Using this rate, she determines her earnings for a 30-hour work week. Select the **dependent variable** for this situation

earnings	\$28	30 hours	# of hours worked
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At the local fair, Yves pays an admission fee plus a cost per ride.

- If Yves goes on 4 rides, he pays a total of \$24.
- If Yves goes on 8 rides, he pays a total of \$36.What

What is the cost per rides at the fair?

<b>\$4.50</b>	<b>\$3.00</b>	<b>\$12.00</b>	<b>\$6.00</b>
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