



# Crazy Taxi

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REAL WORLD MATH

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Watch the video clip.

What's the question?



Identify:

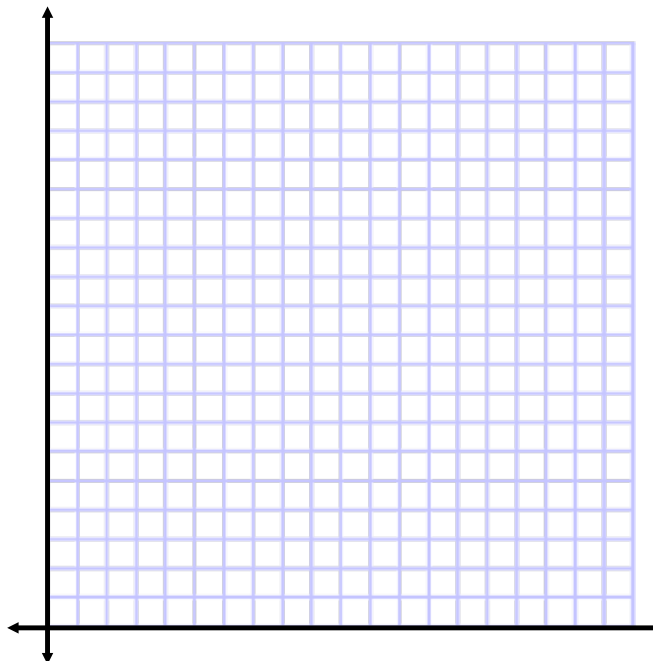
Independent Variable:

Dependent Variable:

1. Create a table of values.



2. Graph this relationship



3. Complete the following:

Initial Value:

Rate of Change:

Circle Type of Variation:

**DIRECT / PARTIAL**

Equation:



4. Use the equation to determine the cost of a 25 km taxi trip.

5. How far would the taxi take you for \$75?

6. Assume the taxi company changed their fees so that the taxi meter begins at \$4 and adds an additional \$2.50 per kilometre travelled. Complete the following for the new fees:

Initial Value:

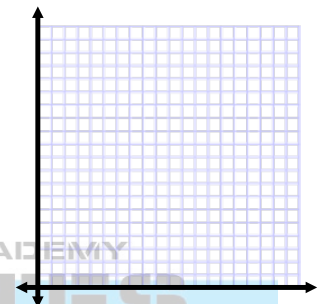
Rate of Change:

Circle Type of Variation:

**DIRECT / PARTIAL**

Equation:

Explain what the graph of this new relation would look like in comparison to the original. Then, draw quick sketches of both graphs on the grid to the right.



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**MATHLETES**

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