

Name _____

Unit 3 Linear Relationships - Non Proportional

Read each question and answer the following questions. Graph the relationship.

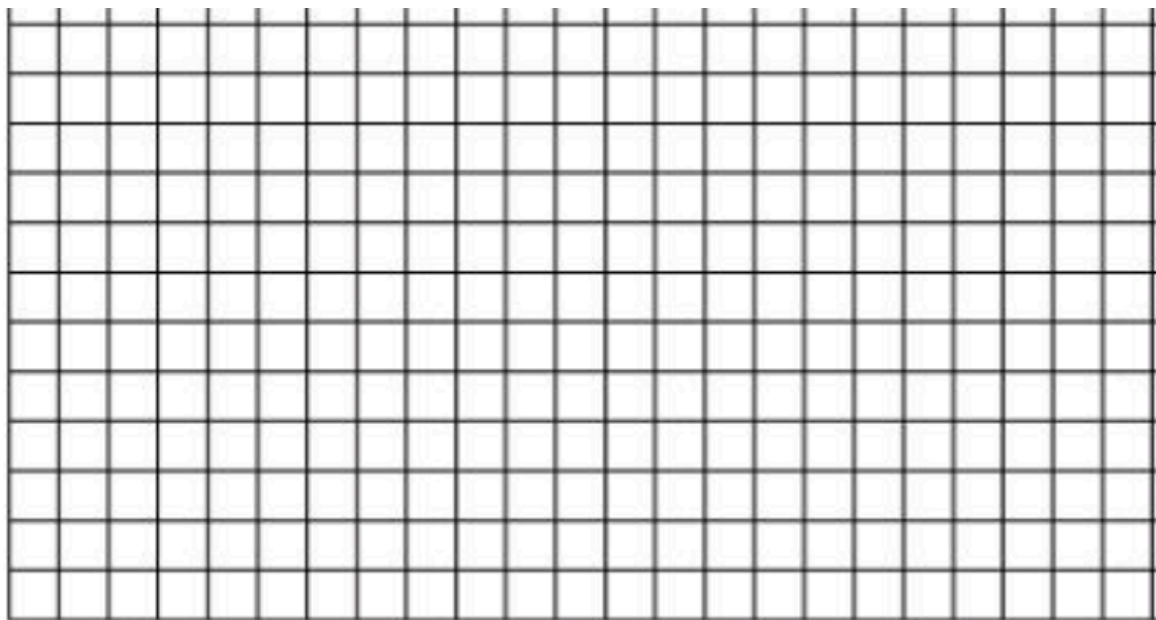
1. Landon is going to have Mediacom service. They charge a one time installment fee of \$75 to hook up all the equipment. In addition, he agreed to pay \$50 per month for all the sports channels.

Equation:

Slope and what it means:

How much will it cost Jack to set up the service and have it for 4 months?

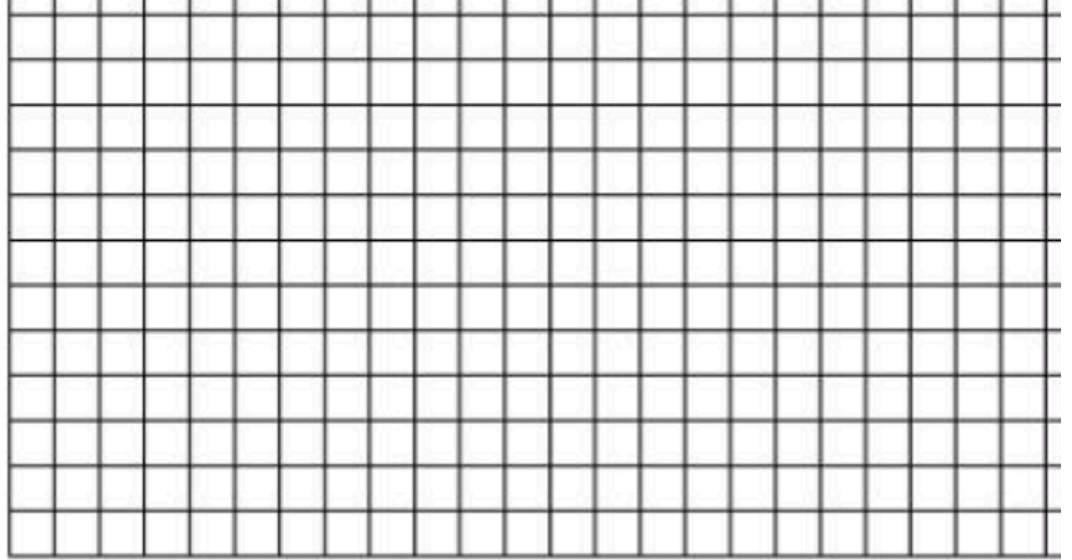
Build the graph:



2. Jack is going to the Iowa State football game on Saturday. Tickets on Stubhub are \$30 per ticket. Stubhub charges a service fee of \$5 for the transaction.

Equation:

How much would it cost on stubhub if Nolan buys 3 tickets all in the same transaction?

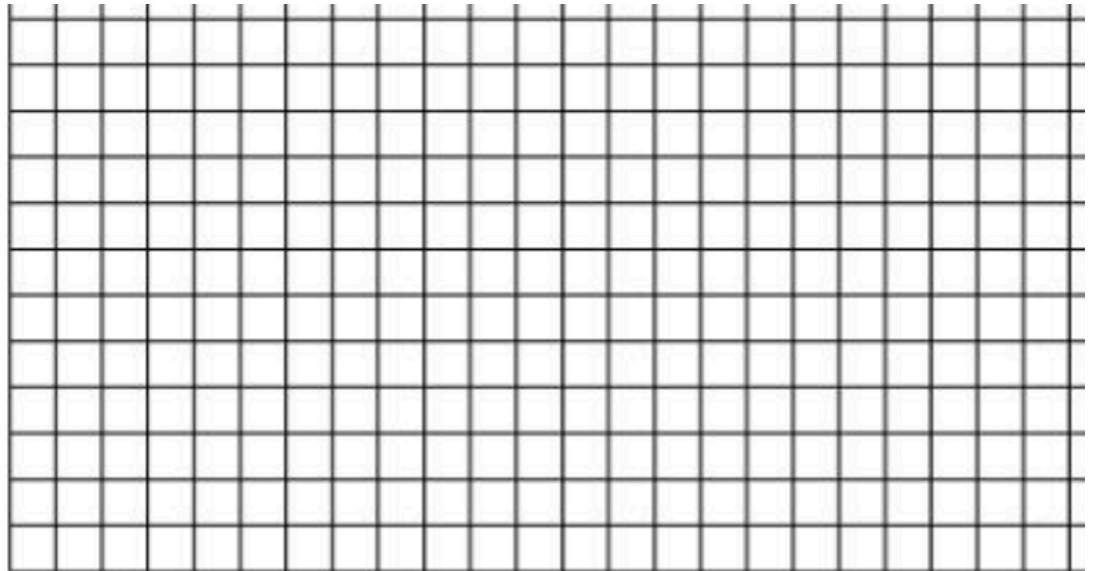


Slope and meaning:

3. Hattie wants to order Chick-fil-A for lunch. They will deliver to Van Meter for a fee of \$10. Each order she places costs \$7.

Equation:

How much will it cost to order for the whole class of 20 students?



Slope and meaning:

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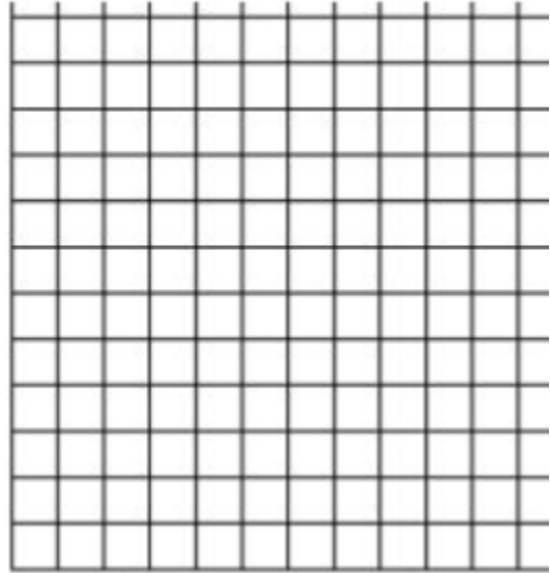
1. Jessie paid \$20 to park her car in the lot before the game. She also spent \$15 per ticket.

Equation:

Slope and meaning:

How much will it cost Jessie to park and purchase 12 tickets?

Graph the problem.



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1. Jimmy John's charges a \$10 fee to deliver and \$5 per sandwich.

Equation:

Slope and meaning:

How much will it cost to deliver 15 sandwiches?

Graph the problem.

