Name: .... Class: ....

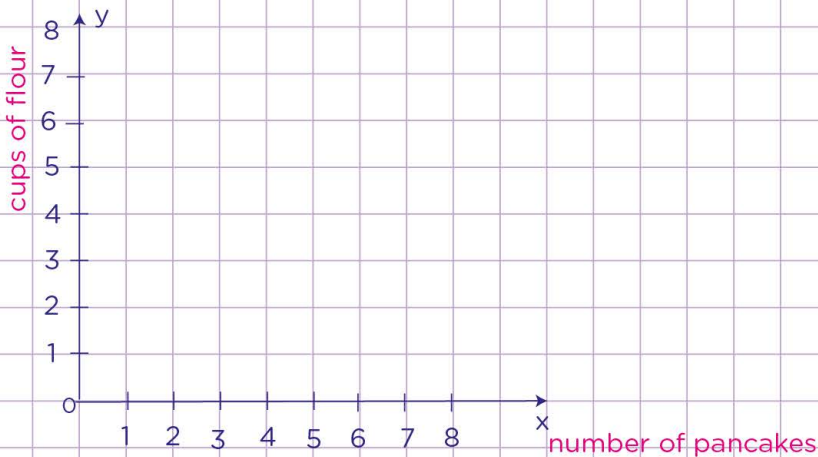## Identify proportional relationships by graphing

1. Natasha is making some pancakes for her best friend. She uses 2 cups of flour to make 4 medium size pancakes and 4 cups of flour to make 8 larger pancakes.

In this relationship,

Y stands for the amount of flour in cups Natasha uses and,

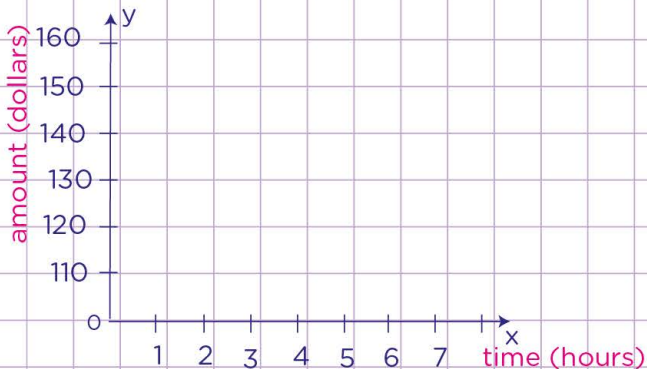x stands for the number of pancakes she makes.

(a) Graph two points for this relationship and a line passing througn them.

(b) From the graph you've graphed above, do x and y have a proportional relationship?

2. Josh loves driving so much. Yesterday, he drove 130 miles in 2 hours. Today, he covered 160 miles in 4 hours.

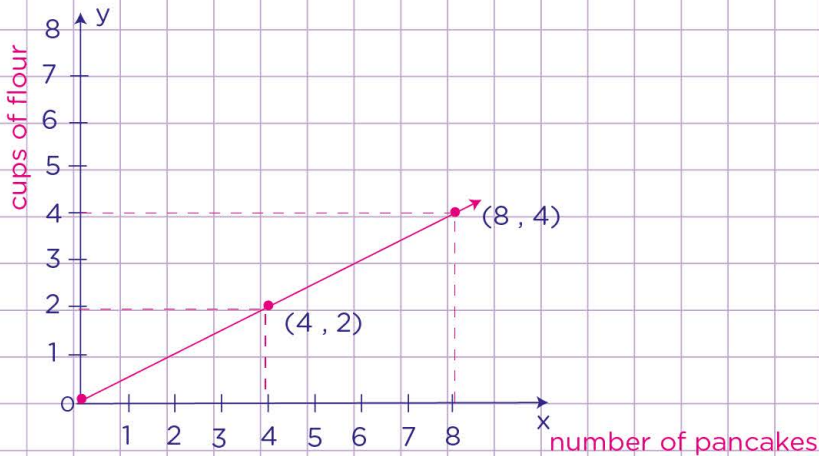Graph two points for this relationship and the line passing through them.

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Name: .... Class: ....

Identify proportional relationships by graphing

1.(a)   Graph two points for this relationship and a line passing througn them.

This problem describs the points (4, 2) and (8 , 4).
These points are to be ploted on the graph.
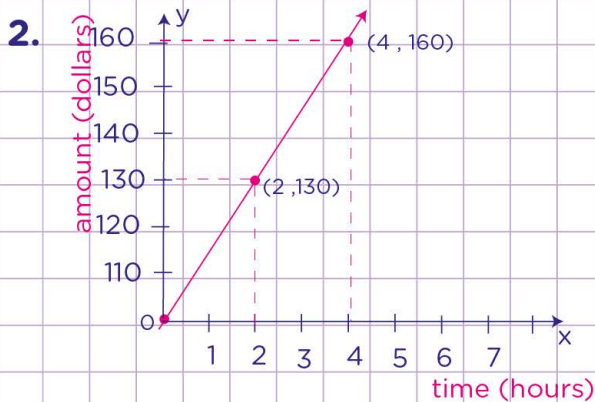

cups of flour

number of pancakes

(b) From the graph you've graphed above, do x and y have a proportional relationship?
To find out wether x and y have a proportional realationship,
check if the line through this points passes through the origine (0, 0).
Yes, x and y have a proportional relation ship
Since the points are on the line that passes through the origin.

2.

amount (dollars)

time (hours)

This problem describes the points (2, 130) and (4 , 160). These points are to be ploted on the graph to find out wether x and y have a proportional realationship.

Check if the line through this points passes through the origine (0, 0)
Yes, x and y have a proportional relationship.
Since the points are on the line that passes through the origin.