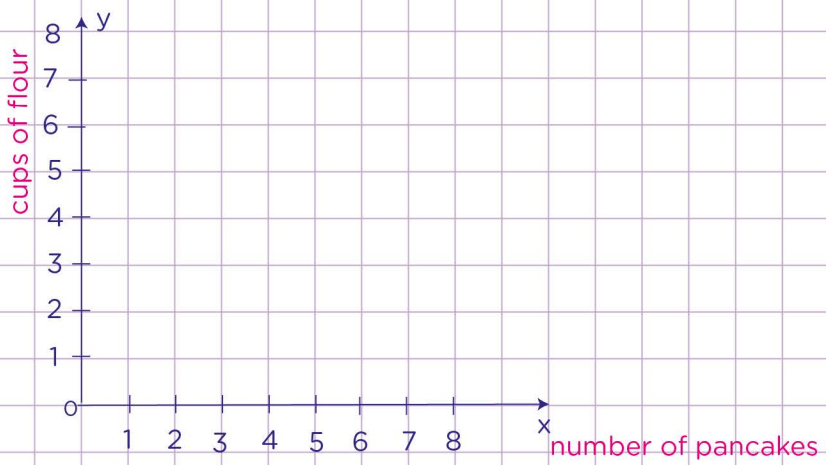
Name: ..... Class: .....

Identify proportional relatioships by graphing

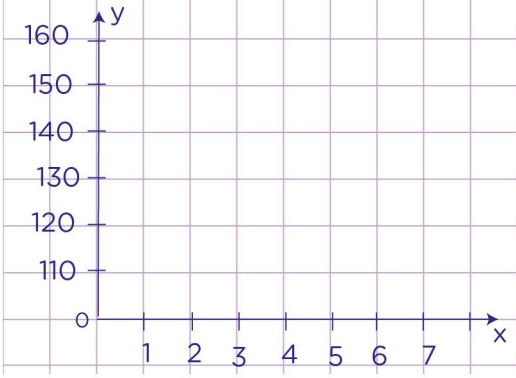
1. Olivia is making some pancakes for her best friend. She uses 2 cups of flour to make 4 medium size pancakes and 4 cups of flour to make 8 larger pancakes.
In this relationship,
Y stands for the amount of flour in cups olivia uses and,
x stands for the number of pancakes she makes.

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



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

2. Rash 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.



Solution

mathskills4kids

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

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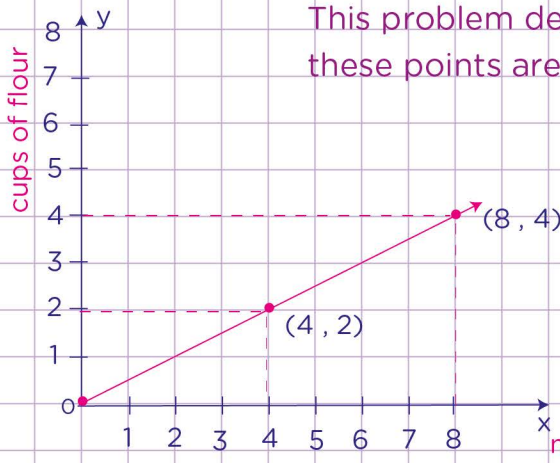
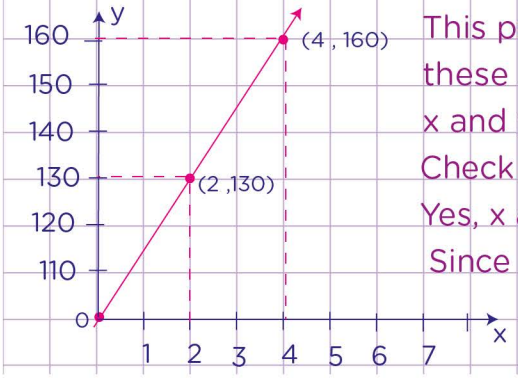
This problem describs the points (4, 2) and (8 , 4).
these points are to be ploted on the graph



(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. Rash 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.



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.