

Name: _____

Truffles

Linda makes chocolate truffles.

The recipe for 20 dark chocolate truffles is

- 1 cup cream
- 2 cups dark chocolate



1. Complete the recipe for 40 dark truffles

- _____ cups cream
- _____ cups dark chocolate

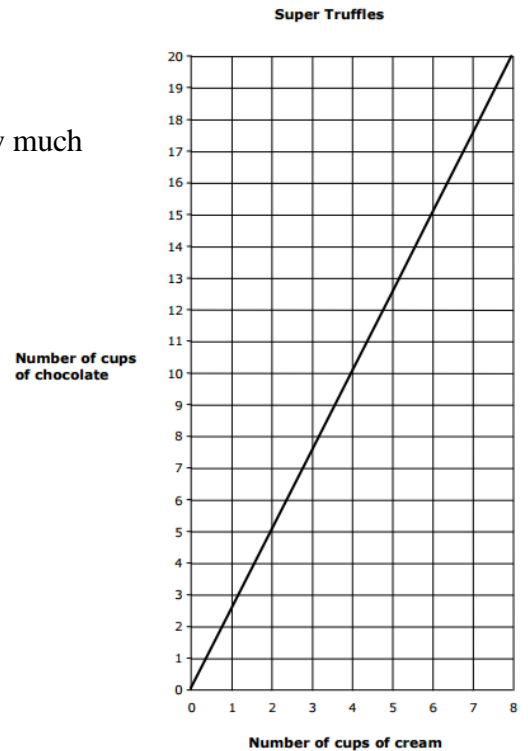
2. One day, Linda has 8 cups of dark chocolate and plenty of cream.

How many truffles can she make? _____
Explain how you figured it out.

3. The recipe for Super Truffles is different. The graph shows how much cream and chocolate to use.

How many cups of chocolate does Linda need for two cups of cream?

4. How much cream does she need for 15 cups of chocolate?



5. Write an equation that Linda can use to figure out how many cups of chocolate (C) she needs for any number of cups of cream (M) when making Super Truffles.
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6. Harry wants to design a truffle recipe that, for every one cup of cream, uses more chocolate than Linda's recipe but less than the Super Truffles. How much chocolate should Harry use with one cup of cream? Explain how you know your answer is correct.

Truffles	Rubric	
The core elements of performance required by this task are: <ul style="list-style-type: none"> do calculations in a real situation Based on these, credit for specific aspects of performance should be assigned as follows	points	section points
1. Gives correct answers: 2 4	1 1	2
2. Gives correct answer: 80 Gives correct explanation such as: She can make four times as many as the recipe.	1 2	3
3. Gives correct answer: 5 cups	1	1
4. Gives correct answer: 6 cups	1	1
5. Gives correct rule such as: $C = 2.5M$ <i>Partial credit</i> Shows a 2.5: 1 ratio or equivalent.	2 (1)	2
6. Gives correct answer such as: 2.25 cups of chocolate Gives correct explanation such as: Linda used 2 cups of chocolate for every 1 cup of cream. The Super Truffles uses 2.5 cups of chocolate for every 1 cup of cream. $2 < 2.25 < 2.5$	2 2	4
Total Points		13