

A) Write whether each pair of ratios forms a proportion.

1) $\frac{8}{9}$ and $\frac{48}{54}$

2) $\frac{7}{4}$ and $\frac{28}{12}$

3) $\frac{3}{63}$ and $\frac{25}{70}$

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B) Determine

1)

x									8
y	14	37	35	32	12	76	24	-32	-80

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C) 1) Richard is preparing a batch of candy. He has 20 red candies and 30 blue candies. He has 100 candies in total. How many red candies does he have? 2) A box of candy contains 20 red candies and 30 blue candies. Another box contains 10 red candies and 15 blue candies. Do the two boxes have the same ratio?

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2) Sandra, a baker, follows a recipe that uses 4 cups of flour for every 3 cups of sugar. For a large batch, she uses 12 cups of flour and 8 cups of sugar. Does the larger batch keep the same flour-to-sugar ratio?