

Name: Class:

Multiply decimals and whole numbers: word problems.

- a. Lucy's mother is a baker. It takes her 50.5 minutes to bake a 14-inch round cake. How long can it take her to bake 5 of those same cakes?
- b. Betty takes her lunch at the school canteen. It cost her \$15.20 per week. How much will 18 weeks of taking her lunch at the school cannteen cost?
- c. Monica works as a waitress in a coffee shop. She earns \$8.75 per hour. How much will she get paid if she puts in 45 hours of work per week?
- d. Joey bought 6 packs of bottled water from the neighborhood store. Each pack costed \$2.05. How much did Joey spend in all?
- e. Andrew buys 18.5 boxes of pizza for a picnic with his friends. If one box of pizza cost \$5.00, how much money does Andrew spend? Write your answer to the nearest cent.
- f. Isaac and his sister, Jane want to give their parents a gift valued at \$236.75 for their fifth wedding anniversary. Isaac has served \$562.03 while Jane has saved two times as much as Jane. To the nearest cent, how much has Jane saved so far?
- g. Cynthia wants to bake 1,000 cupcakes with resins. There are 17.9 cups of resins in a big jar. If the cupcakes demands for 5 times as many cups of resins as the ones in the jar, how many cups of resins does she need in all?
- h. The temperature this afternoon is thrice as hot as yesterday afternoon. If the temperature of yesterday afternoon was 40 degree fahrenheit, what was the temperature this afternoon?
- i. One day, Charles extracted 78.5 liters of honey from a honeycomb. But this amount was too small because he needed 10 times this quantity to be able to supply his loyal customers. How many liters of honey did he actually need?

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- a.** Lucy's mother is a baker. It takes her 50.5 minutes to bake a 14 inch round cake. How long can it take her to bake 5 of those same cakes?
Let's multiply the time Lucy's mother baked one cake by the number of cakes.
 50.5×5
 $= 252.5$ minutes

So, it takes 252.5 minutes for Lucy's mom to bake 5 cakes.

b. So, it will cost her \$273.60 for eating at the canteen after 18 weeks.

c. So, Monica will be paid \$393.75 per week.

d. So, Joey spent \$12.30 in all.

e. So, Andrew spends \$92.5.

f. So, Jane has saved \$1,124.06.

g. So, she needs 89.5 cups of resins in all.

h. So, the temperature this afternoon is 120 degree fahrenheit.

i. So, he actually needed 785 liters of honey.