

HOMEWORK

Use the Distributive Property and the GCF of the addends to rewrite each sum as an equivalent expression that has two factors.

1. $45 + 60$ _____ 2. $100 + 36$ _____ 3. $28 + 42$ _____
 4. $40 + 25$ _____ 5. $30 + 54$ _____ 6. $75 + 90$ _____

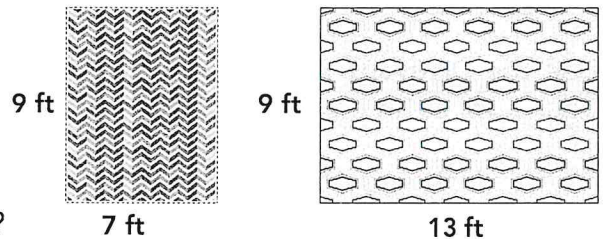
Rewrite each product as the sum of two numbers.

7. $6(5 + 6)$ _____ 8. $8(5 + 11)$ _____
 9. $4(4 + 1)$ _____ 10. $7(2 + 5)$ _____

Problem Solving

11. Rebecca uses the Distributive Property to rewrite an addition expression. The new expression is $17(2 + 8)$. Why might Rebecca want to use this expression to calculate? Explain your reasoning.

12. Tasha plans to buy two rugs. She needs to find the total area of the two rugs. Write two different expressions that each show the total area of the rugs. Simplify both expressions. What is the total area? Which expression was easier to simplify? Why?



Write About It

13. Danita wants to rewrite $37 + 39$ as 3 times a sum of two whole numbers. Is it possible? Explain your reasoning. Is there another way to write the sum as an expression with two factors? Explain.
