1. Joy is solving an expression. Write ‘A’ for associative, ‘D’ for distributive, or ‘C’ for commutative to show which property of multiplication she uses at each step. Then finish the solution.

\[
5 \times 14 \times 8 = 14 \times 5 \times 8 = 14 \times (5 \times 8) = 14 \times 40 = (10 \times 40) + (4 \times 40)
\]

2. Jordan used the distributive property to solve some multiplication problems. Is his work correct or incorrect? Draw diagrams to show how you can tell.
   a. \(8 \times 7 = (8 \times 4) + (8 \times 3)\)
   b. \(8 \times 5 = (4 \times 2) + (4 \times 6)\)

3. Use any multiplication properties to help you simplify the following expressions:
   a. \(3 \times 2 \times 13\)
   b. \(21 \times 5 \times 4\)
   c. \(4 \times 14 \times 10\)

4. Every week, May buys 5 books that cost $13 each. How much money has she spent on books after 8 weeks?