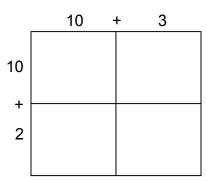
AREA PROBLEMS

1. Multiply using a traditional algorithm and an area model.

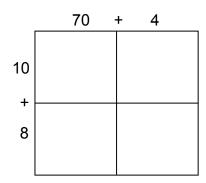
12 × 13



Draw arrows to show how the partial products of a traditional algorithm and rectangles inside the rectangle of an area model are related.

2. Compute 18×74 using a traditional algorithm. Multiply using an area model in two different ways.

18 × 74



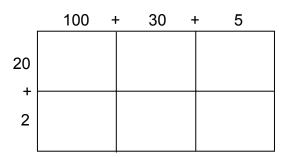
10 + 20 + 4

Draw arrows to show how the partial products of the traditional algorithm and rectangles inside the rectangle of the area models are related.

Rectangles are not drawn to scale.

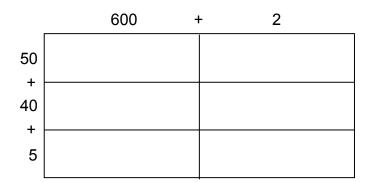
AREA PROBLEMS (continued)

3. Use an area model to compute 135×22 . Check your answer using a traditional algorithm.



Check:

4. Use an area model to compute 602×95 . Check your answer using a traditional algorithm.



Check:

5. Make up a challenging multiplication problem. Use an area model to multiply the numbers. Then check your answer using a traditional algorithm.