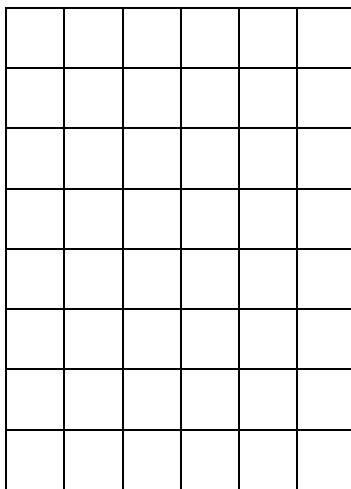


Multiplication Strategy – Break Apart Factors

I can break apart one of the factors of a multiplication problem to make it easier to solve. This is based on the Distributive Property of Multiplication. I can break it apart to use the facts I know best (especially the 2's, 5's, and 10's).

$$8 \times 6$$



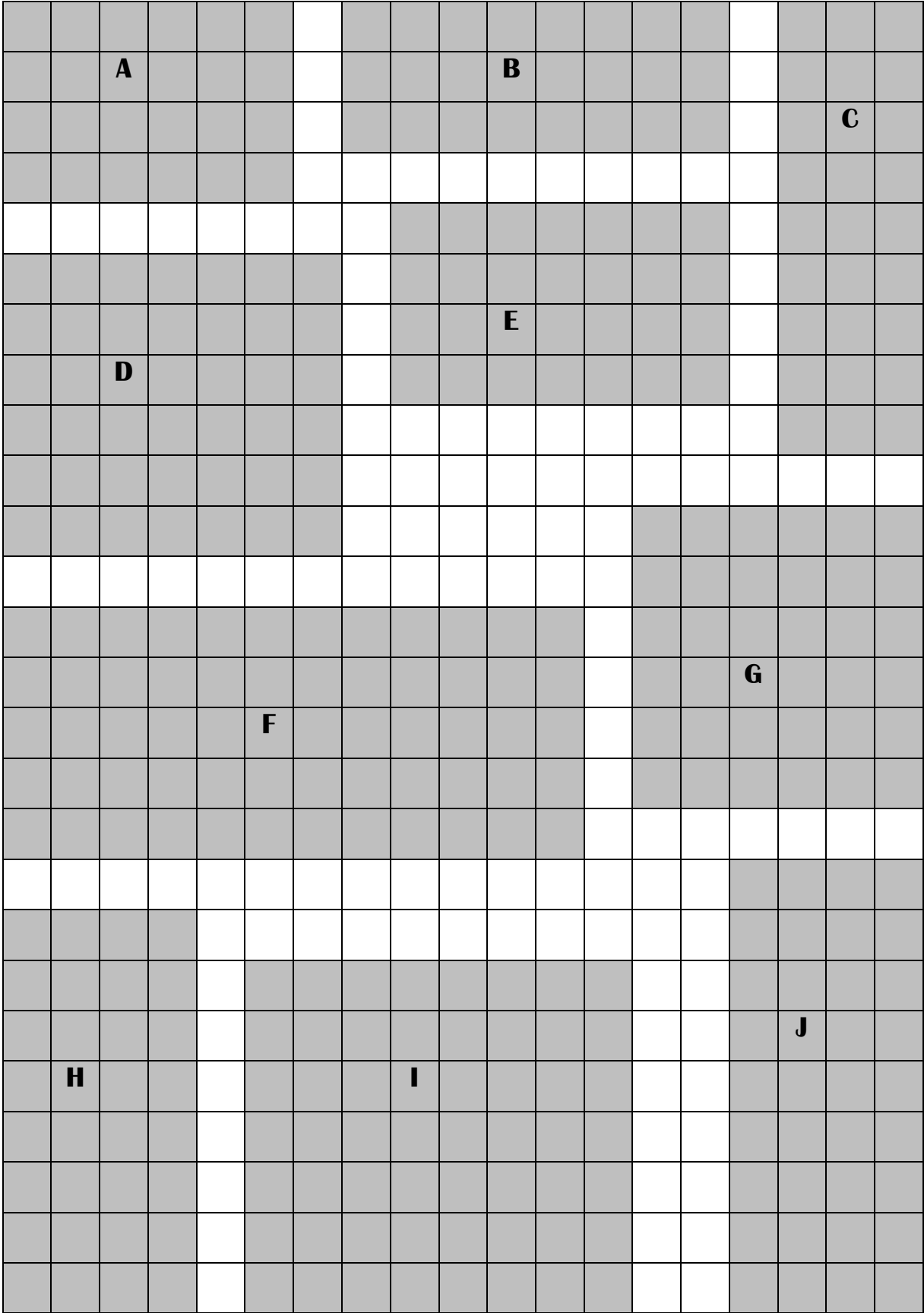
Multiply: _____

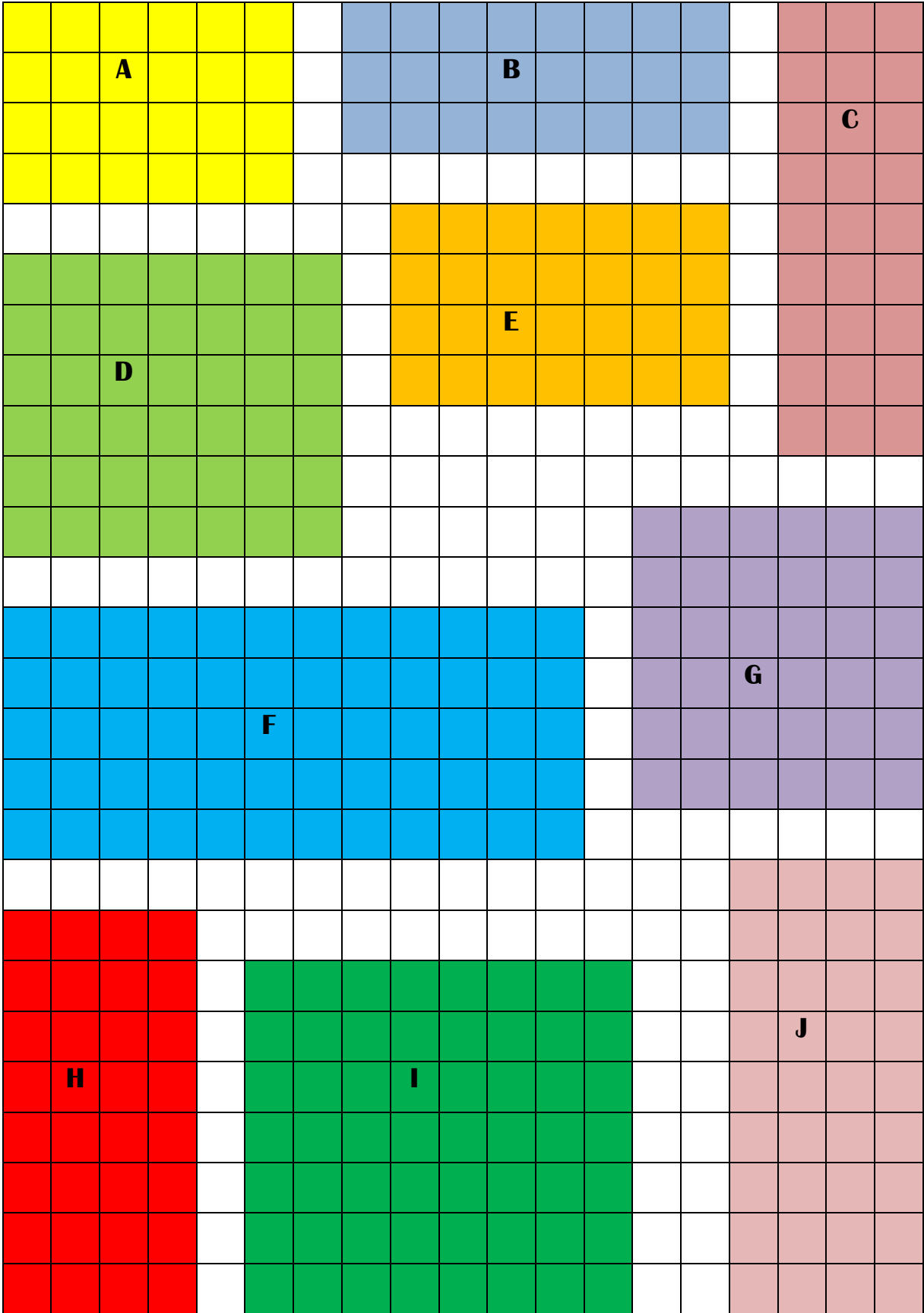
Multiply: _____

Total: _____

$$(8 \times \underline{\quad}) + (8 \times \underline{\quad})$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$





Possible Answers:

A. 4×6

$$(4 \times 5) + (4 \times 1)$$

$$20 + 4 = 24$$

B. 3×8

$$(3 \times 4) + (3 \times 4)$$

$$12 + 12 = 24$$

C. 9×3

$$(3 \times 5) + (3 \times 4)$$

$$15 + 12 = 27$$

D. 6×7

$$(6 \times 5) + (6 \times 2)$$

$$30 + 12 = 42$$

E. 4×7

$$(4 \times 5) + (4 \times 2)$$

$$20 + 8 = 28$$

F. 5×12

$$(5 \times 10) + (5 \times 2)$$

$$50 + 10 = 60$$

G. 6×6

$$(6 \times 5) + (6 \times 1)$$

$$30 + 6 = 36$$

H. 8×4

$$(5 \times 4) + (3 \times 4)$$

$$20 + 12 = 32$$

I. 7×8

$$(7 \times 5) + (7 \times 3)$$

$$35 + 21 = 56$$

or

$$(5 \times 8) + (2 \times 8)$$

$$40 + 16 = 56$$

J. 9×4

$$(5 \times 4) + (4 \times 4)$$

$$20 + 16 = 36$$