Name _____ Date _____

1. Express 26 × 43 as two partial products using the distributive property. Solve.

43

6	6x43
20	20x43

26 × 43 = (6 forty-threes) + (20 forty-threes)

43 × 6 = 258

43 × 20 = 860

4 3
× 2 6
258 (6 × 43)
+ 860 (20 × 43)
1,118

2. Express 47 × 63 as two partial products using the distributive property. Solve.

63

7	7x63
40	40x63

47 × 63 = (7 sixty-threes) + (40 sixty-threes)

63 × 7 = 441

63 × 40 = 2520

6 3
× 4 7
441 (7 × 63)
+ 2520 (40 × 63)
2,961

3. Express 54 × 67 as two partial products using the distributive property. Solve.

67

4	4x67
50	50x67

54 × 67 = (4 × 67) + (50 × 67)

67 × 4 = 268

67 × 50 = 3350

6 7
× 5 4
268 (4 × 67)
+ 3350 (50 × 67)
3,618

Solve the following using 2 partial products.

4.

52 × 4 = 208

52 × 30 = 1560

52 × 34 = 208 + 1560 = 1,768

Solve using the multiplication algorithm.

5.

86 × 56 = 516 + 4300 = 4,816

6. 54 × 52

52 × 54 = 208 + 2600 = 2,808

7. 44 × 76

76 × 44 = 304 + 3040 = 3,344

8. 63 × 63

63 × 63 = 189 + 3780 = 3,969

9. 68 × 79

79 × 68 = 632 + 4740 = 5,372