

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Find the products.

a.  $1,900 \times 20$

$$(19 \times 100) \times (2 \times 10)$$

$$(19 \times 2) \times (100 \times 10)$$

$$38 \times 1000$$

$$38,000$$

b.  $6,000 \times 50$

$$(6 \times 1000) \times (5 \times 10)$$

$$(6 \times 5) \times (1000 \times 10)$$

$$30 \times 10000$$

$$300,000$$

c.  $250 \times 300$

$$(25 \times 10) \times (3 \times 100)$$

$$(25 \times 3) \times (10 \times 100)$$

$$75 \times 1000$$

$$75,000$$

2. Explain how knowing  $50 \times 4 = 200$  helps you find  $500 \times 400$ .

Compared to  $50 \times 4$ ,  $500 \times 400$  has 3 additional zeros. So its answer will also have 3 additional zeros.

$$50 \times 4 = 200$$

$$500 \times 400 = 200,000$$