

Name _____

Date _____

The Distributive Property and the Products of Decimals

Complete the problem using partial products.

$$500 \times 12.7$$

Calculate the product using partial products.

1. 400×45.2

2. 14.9×100

3. 200×38.4

4. 900×20.7

5. 76.2×200

Complete the problem using partial products.

$$500 \times 12.7$$

$$500 \times 12.7 = 500(12) + 500(0.7) = 6,000 + 350 = 6,350$$

Calculate the product using partial products.

1. 400×45.2

$$400(45) + 400(0.2) = 18,000 + 80 = 18,080$$

2. 14.9×100

$$100(14) + 100(0.9) = 1,400 + 90 = 1,490$$

3. 200×38.4

$$200(38) + 200(0.4) = 7,600 + 80 = 7,680$$

4. 900×20.7

$$900(20) + 900(0.7) = 18,000 + 630 = 18,630$$

5. 76.2×200

$$200(76) + 200(0.2) = 15,200 + 40 = 15,240$$