

5.3 Breaking Apart to Multiply

You can make multiplication easier by breaking larger numbers apart by place value.

Complete.

1. 5×23

$$5 \times 20 = \square$$

$$5 \times 3 = \square$$

$$\square + \square = \square$$

2. 4×246

$$4 \times 200 = \square$$

$$4 \times 40 = \square$$

$$4 \times 6 = \square$$

$$\square + \square + \square = \square$$

3. 581×2

$$\square \times 2 = \square$$

$$\square \times 2 = \square$$

$$\square \times 2 = \square$$

$$\square + \square + \square = \square$$

4. 3×92

$$3 \times \square = \square$$

$$3 \times \square = \square$$

$$\square + \square = \square$$

5. 44×8

$$\square \times \square = \square$$

$$\square \times \square = \square$$

$$\square + \square + \square = \square$$

6. 728×9

$$\square \times \square = \square$$

$$\square \times \square = \square$$

$$\square \times \square = \square$$

$$\square + \square + \square = \square$$