

Name \_\_\_\_\_

# Estimate Products

You can use rounding and compatible numbers to estimate products.

**Use mental math and rounding to estimate the product.**

**Estimate.**  $62 \times \$23$

**Step 1** Round each factor to the nearest ten.

62 rounds to **60**.  
\$23 rounds to **\$20**.

**Step 2** Rewrite the problem using the rounded numbers.

$60 \times \$20$

**Step 3** Use mental math.

$6 \times \$2 = \$12$   
 $6 \times \$20 = \$120$   
 $60 \times \$20 = \$1,200$

So,  $62 \times \$23$  is about \$1,200.

**Use mental math and compatible numbers to estimate the product.**

**Estimate.**  $24 \times 78$

**Step 1** Use compatible numbers.  $25 \times 80$

**Step 2** Use  $25 \times 4 = 100$  to help find  $25 \times 8$ .  
 $25 \times 8 = 200$

$24 \times 78$   
↓ ↓  
 $25 \times 80 = 2,000$

**Step 3** Since 80 has 1 zero, write 1 zero to the right of the product.

So,  $24 \times 78$  is about 2,000.

**Estimate the product. Choose a method.**

1.  $78 \times 21$

\_\_\_\_\_

2.  $59 \times \$46$

\_\_\_\_\_

3.  $81 \times 33$

\_\_\_\_\_

4.  $67 \times 21$

\_\_\_\_\_

5.  $88 \times \$42$

\_\_\_\_\_

6.  $51 \times 36$

\_\_\_\_\_

7.  $73 \times 73$

\_\_\_\_\_

8.  $99 \times \$44$

\_\_\_\_\_

9.  $92 \times 19$

\_\_\_\_\_

10.  $26 \times 37$

\_\_\_\_\_

11.  $89 \times 18$

\_\_\_\_\_

12.  $58 \times 59$

\_\_\_\_\_