

## Estimate Products by 2-Digit Numbers

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  $25 \times 8$ .  
 $25 \times 8 = 200$

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

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

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**  $58 \times 59$