

# Multiplying with Multiples of 10



## Quick Review

- Use place value to multiply by 10, 100, and 1000.

Find each product:  $31 \times 10$      $31 \times 100$      $31 \times 1000$

$31 \times 1$  ten = 31 tens

$31 \times 10 = 310$

$31 \times 1$  hundred = 31 hundreds

$31 \times 100 = 3100$

$31 \times 1$  thousand = 31 thousands

$31 \times 1000 = 31000$

- Use basic facts to multiply by multiples of 10, 100, and 1000.

Find each product:  $6 \times 400$      $6 \times 4000$

You know  $6 \times 4 = 24$

$6 \times 4$  hundreds = 24 hundreds

$6 \times 4$  thousands = 24 thousands

So,  $6 \times 400 = 2400$

$6 \times 4000 = 24000$

- Multiply 2 multiples of 10, 100, and 1000.

Find each product:  $40 \times 20$      $300 \times 60$

4 tens  $\times 20 = 80$  tens

3 hundreds  $\times 60 = 180$  hundreds

$40 \times 20 = 800$

$300 \times 60 = 18000$

## Try These

### 1. Multiply.

a)  $38 \times 10 =$  \_\_\_\_\_    b)  $73 \times 10 =$  \_\_\_\_\_    c)  $30 \times 10 =$  \_\_\_\_\_

$38 \times 100 =$  \_\_\_\_\_     $73 \times 100 =$  \_\_\_\_\_     $30 \times 100 =$  \_\_\_\_\_

$38 \times 1000 =$  \_\_\_\_\_     $73 \times 1000 =$  \_\_\_\_\_     $30 \times 1000 =$  \_\_\_\_\_

d)  $6 \times 9 =$  \_\_\_\_\_    e)  $12 \times 8 =$  \_\_\_\_\_    f)  $9 \times 7 =$  \_\_\_\_\_

$6 \times 90 =$  \_\_\_\_\_     $12 \times 80 =$  \_\_\_\_\_     $9 \times 70 =$  \_\_\_\_\_

$6 \times 900 =$  \_\_\_\_\_     $12 \times 800 =$  \_\_\_\_\_     $9 \times 700 =$  \_\_\_\_\_

$6 \times 9000 =$  \_\_\_\_\_     $12 \times 8000 =$  \_\_\_\_\_     $9 \times 7000 =$  \_\_\_\_\_

### 2. Find each product.

a)  $40 \times 30 =$  \_\_\_\_\_    b)  $80 \times 50 =$  \_\_\_\_\_    c)  $20 \times 70 =$  \_\_\_\_\_

## Practice

### 1. Multiply.

a)  $43 \times 10 =$  \_\_\_\_\_ b)  $7 \times 90 =$  \_\_\_\_\_ c)  $50 \times 70 =$  \_\_\_\_\_  
     $43 \times 100 =$  \_\_\_\_\_       $7 \times 900 =$  \_\_\_\_\_       $50 \times 700 =$  \_\_\_\_\_  
     $43 \times 1000 =$  \_\_\_\_\_       $7 \times 9000 =$  \_\_\_\_\_       $50 \times 7000 =$  \_\_\_\_\_

### 2. Find each product.

a)  $35 \times 100 =$  \_\_\_\_\_ b)  $14 \times 900 =$  \_\_\_\_\_ c)  $12 \times 70 =$  \_\_\_\_\_  
d)  $17 \times 2000 =$  \_\_\_\_\_ e)  $20 \times 80 =$  \_\_\_\_\_ f)  $11 \times 8000 =$  \_\_\_\_\_

### 3. Find the total value of each set of bills.

a) eighty \$10 bills \_\_\_\_\_ b) sixty \$20 bills \_\_\_\_\_  
c) seventy \$50 bills \_\_\_\_\_ d) nine hundred \$100 bills \_\_\_\_\_

4. A hamster eats 11 g of food a day. How much food does it eat in the month of April? \_\_\_\_\_

5. Margie packed 80 pamphlets in each of 70 envelopes. How many pamphlets did she pack? \_\_\_\_\_

6. Tickets to a concert cost \$40 each. How much do 90 tickets cost?  
\_\_\_\_\_

7. A theatre has 60 rows of 30 seats. How many seats is that altogether?  
\_\_\_\_\_

## Stretch Your Thinking

A payroll clerk writes 20 cheques for \$600 and 12 cheques for \$400. What is the total amount of the cheques?  
\_\_\_\_\_  
\_\_\_\_\_