

Multiplying with Multiples of 10



Quick Review

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

Find each product: 31×10 31×100 31×1000

$31 \times 1 \text{ ten} = 31 \text{ tens}$

$31 \times 10 = 310$

$31 \times 1 \text{ hundred} = 31 \text{ hundreds}$

$31 \times 100 = 3100$

$31 \times 1 \text{ thousand} = 31 \text{ thousands}$

$31 \times 1000 = 31000$

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

Find each product: 6×400 6×4000

You know $6 \times 4 = 24$

$6 \times 4 \text{ hundreds} = 24 \text{ hundreds}$

$6 \times 4 \text{ thousands} = 24 \text{ thousands}$

So, $6 \times 400 = 2400$

$6 \times 4000 = 24000$

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

Find each product: 40×20 300×60

$4 \text{ tens} \times 20 = 80 \text{ tens}$

$3 \text{ hundreds} \times 60 = 180 \text{ hundreds}$

$40 \times 20 = 800$

$300 \times 60 = 18000$

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) $20 \times 70 =$ _____