Name _____

Multiply Tens, Hundreds, and Thousands

You can use a pattern to multiply with tens, hundreds, and thousands.

Count the number of zeros in the factors.

$4 \times 6 = 24$ ← basic fact

$4 \times 60 = 240$ ← When you multiply by tens, the last digit in the product is 0.

$4 \times 600 = 2,400$ ← When you multiply by hundreds, the last two digits in the product are 0.

$4 \times 6,000 = 24,000$ ← When you multiply by thousands, the last three digits in the product are 0.

When the basic fact has a zero in the product, there will be an extra zero in the final product:

$5 \times 4 = 20$, so $5 \times 4,000 = 20,000$

Complete the pattern.

1 $9 \times 2 = 18$
$9 \times 20 =$ _____
$9 \times 200 =$ _____
$9 \times 2,000 =$ _____

2 $8 \times 4 = 32$
$8 \times 40 =$ _____
$8 \times 400 =$ _____
$8 \times 4,000 =$ _____

3 $6 \times 6 = 36$
$6 \times 60 =$ _____
$6 \times 600 =$ _____
$6 \times 6,000 =$ _____

4 $4 \times 7 = 28$
$4 \times 70 =$ _____
$4 \times 700 =$ _____
$4 \times 7,000 =$ _____

Find the product.

5 $7 \times 300 = 7 \times$ _____ hundreds
$=$ _____ hundreds
$=$ _____

6 $5 \times 8,000 = 5 \times$ _____ thousands
$=$ _____ thousands
$=$ _____