

Multiply by Multiples of 10, 100, or 1,000

Name _____

Review

There are different ways to multiply a factor by a multiple of 10.

Use multiplication facts and place value	Use the Associative Property of Multiplication
$n = 5 \times 700$	$n = 400 \times 6$
$n = 5 \times 7 \text{ hundreds}$	$n = 4 \times 100 \times 6$
$n = 35 \text{ hundreds}$	$n = 4 \times 6 \times 100$
$n = 3,500$	$n = 24 \times 100$
	$n = 2,400$

$$\begin{aligned} 1) \quad 3 \times 200 &= \quad \times \quad \times 100 \\ &= \quad \times 100 \\ &= \end{aligned}$$

$$\begin{aligned} 2) \quad 4 \times 9,000 &= \quad \times \quad \times 1000 \\ &= \quad \times 1000 \\ &= \end{aligned}$$

Solve the word problem.

Judy has 8 bags of marbles.
Each bag contains 20 marbles.
How many marbles does Judy
have in all?