

## Multiplication Patterns

1. What basic fact can you use to help you find  $30 \times 4,000$ ?

$$30 \times 4,000 = \underline{\hspace{2cm}}$$

2.  $1 \times 1 = 1$

$$1 \times 10^1 = \underline{\hspace{2cm}}$$

$$1 \times 10^2 = \underline{\hspace{2cm}}$$

$$1 \times 10^3 = \underline{\hspace{2cm}}$$

3.  $7 \times 8 = 56$

$$(7 \times 8) \times 10^1 = \underline{\hspace{2cm}}$$

$$(7 \times 8) \times 10^2 = \underline{\hspace{2cm}}$$

$$(7 \times 8) \times 10^6 = \underline{\hspace{2cm}}$$

4.  $6 \times 5 = \underline{\hspace{2cm}}$

$$6 \times 5 \times \underline{\hspace{2cm}} = 300$$

$$6 \times 5 \times \underline{\hspace{2cm}} = 3000$$

$$6 \times 5 \times \underline{\hspace{2cm}} = 30,000$$

5.  $9 \times 5 = 45$

$$(9 \times 5) \times 10^1 = \underline{\hspace{2cm}}$$

$$(9 \times 5) \times 10^2 = \underline{\hspace{2cm}}$$

$$(9 \times 5) \times 10^3 = \underline{\hspace{2cm}}$$

6.  $3 \times 7 = 21$

$$(3 \times 7) \times 10^1 = \underline{\hspace{2cm}}$$

$$(3 \times 7) \times 10^2 = \underline{\hspace{2cm}}$$

$$(3 \times 7) \times 10^3 = \underline{\hspace{2cm}}$$

7.  $5 \times 4 = \underline{\hspace{2cm}}$

$$(5 \times 4) \times \underline{\hspace{2cm}} = 200$$

$$(5 \times 4) \times \underline{\hspace{2cm}} = 2,000$$

$$(5 \times 4) \times \underline{\hspace{2cm}} = 20,000$$

8.  $5 \times 7 = \underline{\hspace{2cm}}$

$$(5 \times 7) \times \underline{\hspace{2cm}} = 350$$

$$(5 \times 7) \times \underline{\hspace{2cm}} = 3,500$$

$$(5 \times 7) \times \underline{\hspace{2cm}} = 35,000$$

9.  $4 \times 2 = 8$

$$(4 \times 2) \times 10^1 = \underline{\hspace{2cm}}$$

$$(4 \times 2) \times 10^2 = \underline{\hspace{2cm}}$$

$$(4 \times 2) \times 10^3 = \underline{\hspace{2cm}}$$

**10.**

$$6 \times 7 = 42$$

$$(6 \times 7) \times 10^1 = \underline{\hspace{2cm}}$$

$$(6 \times 7) \times 10^2 = \underline{\hspace{2cm}}$$

$$(6 \times 7) \times 10^3 = \underline{\hspace{2cm}}$$

**11.**  $(6 \times 6) \times 10^1 = \underline{\hspace{2cm}}$

**12.**  $(7 \times 4) \times 10^3 = \underline{\hspace{2cm}}$

**13.**  $(9 \times 8) \times 10^2 = \underline{\hspace{2cm}}$

**14.**  $(4 \times 3) \times 10^2 = \underline{\hspace{2cm}}$