

# Multiplication Problems

1. Multiply in parts, using mental math: thousands, hundreds, and tens separately.

a.  $6 \times 1,030$

b.  $4 \times 12,100$

c.  $3 \times 4,050$

d.  $4 \times 512$

e.  $2 \times 21,300$

f.  $3 \times 15,230$

2. Find the missing factor.

a.  $6 \times 2 \times \underline{\hspace{2cm}} = 120$

$4 \times 5 \times \underline{\hspace{2cm}} = 140$

$3 \times \underline{\hspace{2cm}} \times 10 = 1,200$

b.  $2 \times \underline{\hspace{2cm}} \times 5 = 650$

$4 \times 9 \times \underline{\hspace{2cm}} = 720$

$20 \times \underline{\hspace{2cm}} \times 4 \times 2 = 800$

c.  $4 \times \underline{\hspace{2cm}} \times 9 = 0$

$4 \times \underline{\hspace{2cm}} \times 9 = 3,600$

$7 \times 2 \times 5 \times \underline{\hspace{2cm}} = 2,100$

3. Careful with all the zeros!

a.  $600 \times 2,000$

b.  $80,000 \times 7,000$

c.  $400 \times 50 \times 80,000$

d.  $20 \times 3,000 \times 50,000$

4. Find the unknowns.

a.  $6 \times A = 3,600$

b.  $4 \times M = 800$

c.  $X \div 4 = 250$

d.  $Z \div 9 = 70$

$6 \times B = 3,504$

$4 \times N = 864$

$Y \div 4 = 267$

$W \div 9 = 78$

5. Find x.

a. 

4,219	4,219	4,219	4,219	4,219	x
-------	-------	-------	-------	-------	---

  
|----- 50,000 -----|

b. 

x	11,394	11,394	11,394
---	--------	--------	--------

  
|----- 70,000 -----|

6. Write an expression (number sentence) for each problem.

a. The store has 500 bags of pasta with a price of \$1.38, and 200 bags of pasta with a price of \$1.64. What is the total value of all the pasta?

b. Judie noticed that one cup holds about 178 beans. How many beans fit into a 1-gallon container?