

Name: Class:

Multiplication patterns over increasing place values

Complete the multiplication patterns below.

1. $6 \times \underline{\hspace{2cm}} = 24$
 $60 \times \underline{\hspace{2cm}} = 2,400$
 $6,00 \times 400 = \underline{\hspace{2cm}}$
 $6,000 \times \underline{\hspace{2cm}} = 24,000,000$
 $\underline{\hspace{2cm}} \times 40,000 = 2,400,000,000$

2. $\underline{\hspace{2cm}} \times 9 = 72$
 $80 \times \underline{\hspace{2cm}} = 720$
 $800 \times 9 = \underline{\hspace{2cm}}$
 $\underline{\hspace{2cm}} \times 9 = 72,000$
 $80000 \times 9 = \underline{\hspace{2cm}}$

3. $5 \times 7 = \underline{\hspace{2cm}}$
 $\underline{\hspace{2cm}} \times 70 = 3,500$
 $500 \times 700 = \underline{\hspace{2cm}}$
 $5,000 \times \underline{\hspace{2cm}} = 35,000,000$
 $50,000 \times \underline{\hspace{2cm}} = 3,500,000,000$

4. $8 \times \underline{\hspace{2cm}} = 56$
 $\underline{\hspace{2cm}} \times 70 = 5,600$
 $800 \times \underline{\hspace{2cm}} = 560,000$
 $\underline{\hspace{2cm}} \times 7,000 = 56,000,000$
 $80,000 \times 70,000 = \underline{\hspace{2cm}}$



Name: Class:

Multiplication patterns over increasing place values

Complete the multiplication patterns below.

1.

$6 \times 4 = 24$

$60 \times 40 = 2,400$

$6,00 \times 400 = 240,000$

$6,000 \times 4000 = 24,000,000$

$60,000 \times 40,000 = 2,400,000,000$

To complete the pattern let's form an equation.

$6 \times ? = 24$

Finally, we solve the equation.

$6 \times ? = 24$

$? = \frac{24}{6} = 4$

Now, complete the patterns in the same way as shown above.

2.

$8 \times 9 = 72$

$80 \times 9 = 720$

$800 \times 9 = 7,200$

$8000 \times 9 = 72,000$

$80,000 \times 9 = 720,000$

To complete the pattern let's form an equation.

$? \times 9 = 72$

Finally, we solve the equation.

$? \times 9 = 72$

$? = \frac{72}{9} = 8$

Now, complete the patterns in the same way as shown above.

3.

$5 \times 7 = 35$

$50 \times 70 = 3,500$

$500 \times 700 = 350,000$

$5,000 \times 7,000 = 35,000,000$

$50,000 \times 70,000 = 3,500,000,000$

4.

$8 \times 7 = 56$

$80 \times 70 = 5,600$

$800 \times 700 = 560,000$

$8,000 \times 7,000 = 56,000,000$

$80,000 \times 70,000 = 5,600,000,000$

