

Name : _____

Multiplying Decimals by Powers of Ten

Pattern: S1

1) $12.5 \times 10 =$ _____

2) $4.592 \times 10 =$ _____

$12.5 \times 100 =$ _____

$4.592 \times 100 =$ _____

$12.5 \times 1,000 =$ _____

$4.592 \times 1,000 =$ _____

3) $0.02 \times 10 =$ _____

4) $86.69 \times 10 =$ _____

$0.02 \times 100 =$ _____

$86.69 \times 100 =$ _____

$0.02 \times 1,000 =$ _____

$86.69 \times 1,000 =$ _____

5) $1.17 \times 10 =$ _____

6) $3.85 \times 10 =$ _____

$1.17 \times 100 =$ _____

$3.85 \times 100 =$ _____

$1.17 \times 1,000 =$ _____

$3.85 \times 1,000 =$ _____

7) $6.6 \times 10 =$ _____

8) $0.74 \times 10 =$ _____

$6.6 \times 100 =$ _____

$0.74 \times 100 =$ _____

$6.6 \times 1,000 =$ _____

$0.74 \times 1,000 =$ _____

Answer Key

Name : _____

Multiplying Decimals by Powers of Ten

Pattern: S1

1) $12.5 \times 10 = \underline{125}$

2) $4.592 \times 10 = \underline{45.92}$

$12.5 \times 100 = \underline{1,250}$

$4.592 \times 100 = \underline{459.2}$

$12.5 \times 1,000 = \underline{12,500}$

$4.592 \times 1,000 = \underline{4,592}$

3) $0.02 \times 10 = \underline{0.2}$

4) $86.69 \times 10 = \underline{866.9}$

$0.02 \times 100 = \underline{2}$

$86.69 \times 100 = \underline{8,669}$

$0.02 \times 1,000 = \underline{20}$

$86.69 \times 1,000 = \underline{86,690}$

5) $1.17 \times 10 = \underline{11.7}$

6) $3.85 \times 10 = \underline{38.5}$

$1.17 \times 100 = \underline{117}$

$3.85 \times 100 = \underline{385}$

$1.17 \times 1,000 = \underline{1,170}$

$3.85 \times 1,000 = \underline{3,850}$

7) $6.6 \times 10 = \underline{66}$

8) $0.74 \times 10 = \underline{7.4}$

$6.6 \times 100 = \underline{660}$

$0.74 \times 100 = \underline{74}$

$6.6 \times 1,000 = \underline{6,600}$

$0.74 \times 1,000 = \underline{740}$