Multiplying and Dividing by Powers of Ten

Use the Place Value Chart to find the answer: You can draw in arrows or use patty paper if you like.

a) 79.1 x 10 = \_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|   | HundredThousands | TenThousands | Thousands | Hundreds | Tens | Ones | Tenths |
|  *Write original #*  |   |   |   |   |   |   |  |
| x 10 |  |  |  |  |  |  |  |

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b) 26,127 ÷ 10 = \_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|   | HundredThousands | TenThousands | Thousands | Hundreds | Tens | Ones | Tenths |
|  *Write original #*  |   |   |   |   |   |   |  |
| ÷ 10 |  |  |  |  |  |  |  |

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c) 1.5 x 1,000 = \_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|   | HundredThousands | TenThousands | Thousands | Hundreds | Tens | Ones | Tenths |
|  *Write original #*  |   |   |   |   |   |   |  |
| x 1000 |  |  |  |  |  |  |  |

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d) 24,050 ÷ 100 = \_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|   | HundredThousands | TenThousands | Thousands | Hundreds | Tens | Ones | Tenths |
|  *Write original #*  |   |   |   |   |   |   |  |
| ÷ 100 |  |  |  |  |  |  |  |

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e) 140 x 100 x 2 = \_\_\_\_\_\_\_\_ (=140 x 20)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|   | HundredThousands | TenThousands | Thousands | Hundreds | Tens | Ones | Tenths |
|  *Write original #*  |   |   |   |   |   |   |  |
| x 100 |  |  |  |  |  |  |  |
| x 2 |  |  |  |  |  |  |  |

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f) 36 ÷ 10 ÷ 2 = \_\_\_\_\_\_\_\_ (=36 ÷ 20)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|   | HundredThousands | TenThousands | Thousands | Hundreds | Tens | Ones | Tenths |
|  *Write original #*  |   |   |   |   |   |   |  |
| ÷ 10 |  |  |  |  |  |  |  |
| ÷ 2 |  |  |  |  |  |  |  |

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