## Lesson 21: Multiply More Decimals

* Let’s multiply decimals.

### Warm-up: Estimation Exploration: Central Park

Central Park is a large park in Manhattan. It is about 3.85 kilometers long and 0.79 km wide. What is the area of Central Park?

Record an estimate that is:



|  |  |  |
| --- | --- | --- |
| too low | about right | too high |
| $$ | $$ | $$ |

### 21.1: Multiply More Decimals

1. Explain or show why each pair of expressions is equivalent.
	1. $7.2×5.3$ and $\left(72×53\right)×0.01$
	2. $6.5×2.8$ and $\left(65×28\right)÷100$
	3. $31×0.44$ and $\left(31×44\right)×\frac{1}{100}$
2. Find the value of the products in the previous problem.

### 21.2: Choose Your Strategy

Find the value of each product.

1. $7.3×4.2$
2. $38×0.55$
3. $285×0.17$

### Section Summary

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In this section, we learned to use place value relationships to multiply a whole number and a decimal. For example,

$6×0.14=0.84$

because 6 groups of 14 hundredths is $6×14$ or 84 hundredths.

We also found products like $1.7×0.3$. We can use a diagram to see that this is $17×3$ hundredths or $0.51$.





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