## Lesson 23: Divide Whole Numbers by Decimals

* Let’s divide whole numbers by decimals.

### Warm-up: True or False: Tenths and Hundredths

Decide if each statement is true or false. Be prepared to explain your reasoning.

* $6÷0.01=60$
* $6÷0.1<6÷0.01$
* $6÷0.01=60÷0.1$

### 23.1: Same Divisor, Different Dividend

1. Find the value of each expression. Explain or show your reasoning.
	1. $1÷0.2$
	2. $2÷0.2$
	3. $3÷0.2$
	4. $4÷0.2$
2. Find the value of each expression. Explain or show your reasoning.
	1. $1÷0.02$
	2. $2÷0.02$
	3. $3÷0.02$
	4. $4÷0.02$
3. What patterns do you notice?

### 23.2: Evaluate Expressions

1. Find the value of the expression. Use a diagram if it is helpful.
* $12÷0.2$
* 
1. This is the diagram and explanation Tyler used to justify why $12÷0.2=60$.
* 
* 
* Explain how the expression $12×\left(1÷0.2\right)$ relates to Tyler's reasoning.
1. Find the value of each expression.
	1. $14÷0.5$
	2. $5÷0.25$



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