

Grade 5 Unit 5

Lesson 23

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Unit 5 Lesson 23: Divide Whole Numbers by Decimals**WU True or False: Tenths and Hundredths (Warm up)**

Student Task Statement

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

- $6 \div 0.01 = 60$
- $6 \div 0.1 < 6 \div 0.01$
- $6 \div 0.01 = 60 \div 0.1$

1 Same Divisor, Different Dividend

Student Task Statement

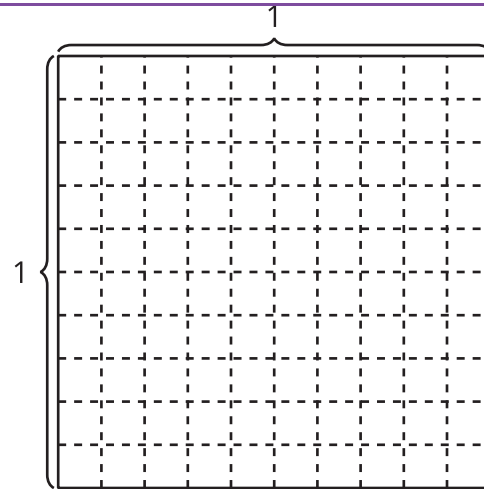
1. Find the value of each expression. Explain or show your reasoning.
 - a. $1 \div 0.2$
 - b. $2 \div 0.2$
 - c. $3 \div 0.2$
 - d. $4 \div 0.2$
2. Find the value of each expression. Explain or show your reasoning.
 - a. $1 \div 0.02$
 - b. $2 \div 0.02$
 - c. $3 \div 0.02$
 - d. $4 \div 0.02$
3. What patterns do you notice?

2 Evaluate Expressions

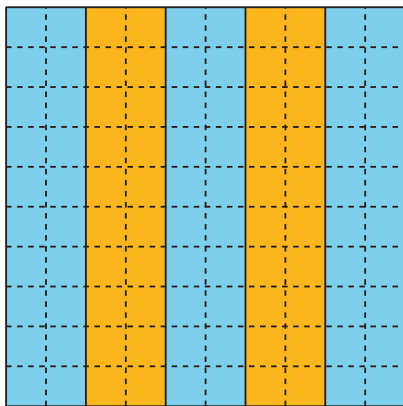
Student Task Statement

1. Find the value of the expression. Use a diagram if it is helpful.

$$12 \div 0.2$$



2. This is the diagram and explanation Tyler used to justify why $12 \div 0.2 = 60$.



$12 \div 0.2 = 60$

There are 5 groups of 0.2 in 1
and there are 12 so that is
12 groups of 5.

Explain how the expression $12 \times (1 \div 0.2)$ relates to Tyler's reasoning.

3. Find the value of each expression.

a. $14 \div 0.5$

b. $5 \div 0.25$