

Grade 5 Unit 7

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Unit 7 Lesson 10: Interpret Relationships

WU True or False: Multiply and Divide (Warm up)

Student Task Statement

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

- $276 \div 3 = \frac{1}{3} \times 276$
- $276 \div 3 = \frac{276}{6}$
- $(276 \div 3) \times 2 = \frac{2}{3} \times 276$

1 Mix and Match: 3 Patterns

Student Task Statement

- 1. Complete the patterns for each set of rules.
- 2. What are some relationships between the patterns for each set of rules? Be prepared to explain your thinking.

Set A

Rule 1: Start at 0. Keep adding 3.						
J. C.						
Rule 2: Start at 0. Keep adding 6.						
Naie 2. Start at 6. Neep adding 6.						

Set B

Rule 1: Start at 4. Keep adding 3.



Rule 2: Start at 9. Keep adding 6.

_						
Set C						
Rule 1: Start at 0. Keep adding 5.						
Rule 2: Start at 0. Keep adding 3.						
2 Generate Patterns						
Student Task Statement						
Partner A						
1. Generate patterns for the two rule	es.					
Rule 1: Start with 0. Keep adding 4	4.					
		I	I		_	
		I	1			
Rule 2: Start with 0. Keep adding 6	5.					

- 2. Compare your patterns. What relationships do you notice?
- 3. What number will be in pattern 2 when the number in the pattern 1 box is 40?
- 4. What number will be in pattern 1 when the number in the pattern 2 box is 120?

Partner B

1. Generate patterns for the two rules.

Rule 1: Start with 0. Keep adding 2.

Rule 2: Start with 0. Keep adding 3.									

- 2. Compare your patterns. What relationships do you notice?
- 3. What number will be in pattern 2 when the number in the pattern 1 box is 30?
- 4. What number will be in pattern 1 when the number in the pattern 2 box is 60?