## Lesson 10: Concepts of Division

* Let’s think about the size of quotients.

### Warm-up: Number Talk: Same Dividend, Different Divisor

Find the value of each expression mentally.

* $120÷12$
* $120÷6$
* $120÷3$
* $120÷2$

### 10.1: Share Pretzels



Order the situations from greatest to least based on the number of pretzels each student will get. Be prepared to explain your reasoning.

3 students equally share 42 pretzels.
14 students equally share 42 pretzels.
3 students equally share 24 pretzels.
3 students equally share 45 pretzels.
7 students equally share 42 pretzels.
3 students equally share 6 pretzels.
6 students equally share 42 pretzels.

### 10.2: Division Patterns

1. Find the value of each expression.
	1. $36÷3$
	2. $12÷3$
	3. $9÷3$
	4. $6÷3$
	5. $3÷3$
	6. $1÷3$
2. What patterns do you notice?
3. Why is the quotient getting smaller?
4. What do you know about this expression: $\frac{1}{3}÷3$?
5. Draw a diagram to represent $\frac{1}{3}÷3$.



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