## Lesson 6: Relate Division and Multiplication

* Let’s explore the relationship between multiplication and division.

### Warm-up: Number Talk: Multiply and Divide

Find the value of each expression mentally.

* $3×\frac{1}{2}$
* $3×\frac{2}{2}$
* $3×\frac{3}{2}$
* $5×\frac{3}{2}$

### 6.1: The Race



1. Lin and Han ran a 3 mile relay race as a team. They each ran the same distance. Draw a diagram to represent the situation.
2. Take turns describing to your partner how your diagrams represent the situation.
3. How far did each person run?

### 6.2: Where Do You See It?

Diagram A

Diagram B

For each expression, choose one of the diagrams and describe how the diagram represents the expression. Be prepared to explain why you chose that diagram.

1. $3×\frac{1}{2}$
2. $3÷2$
3. $\frac{1}{2}×3$



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