Name: _____ Class: _____

What's your Angle?

GRADES 6-8

Explore

Rear Triangle	24" STEM Bike (cm)	Front Triangle	24" STEM Bike (cm)	Rear Triangle	Angle Measure (Degrees)	Front Triangle	Angle Measure (Degrees)
Tire to Pedal	answer here	**Seat to Handlebar**	answer here	**Tire**	answer here	**Tire**	answer here
Seat to Pedal	answer here	**Seat to Pedal**	answer here	**Pedal**	answer here	**Pedal**	answer here
Tire to Seat	answer here	**Pedal to Handlebar**	answer here	**Seat**	answer here	**Seat**	answer here

Explain

	Triangle Inequality Theorem	Triangle Sum Theory
Rear Triangle	answer here	answer here
Front Triangle	answer here	answer here

Elaborate

What do you expect the angle measures and bike measures to be on the 26" bike? Provide specific predictions.

answer here

Name: _____ Class: _____

What's your Angle?

GRADES 6-8

Evaluate

Rear Triangle	26" STEM Bike (cm)	Front Triangle	26" STEM Bike (cm)	Rear Triangle	Angle Measure (Degrees)	Front Triangle	Angle Measure (Degrees)
Tire to Pedal	answer here	**Seat to Handlebar**	answer here	**Tire**	answer here	**Tire**	answer here
Seat to Pedal	answer here	**Seat to Pedal**	answer here	**Pedal**	answer here	**Pedal**	answer here
Tire to Seat	answer here	**Pedal to Handlebar**	answer here	**Seat**	answer here	**Seat**	answer here

Explain

	Triangle Inequality Theorem	Triangle Sum Theory
Rear Triangle	answer here	answer here
Front Triangle	answer here	answer here

Are the measurements from the 24" and 26" bike proportional?
Justify your response with an example.

answer here

Extend

24" Bike Frame	26" Bike Frame
answer here	answer here