Display Master: Key Idea: Comparing Rates

- Rates can be compared by calculating and comparing the unit rates.

Display Master: Better Price A

Mary went to the grocery store and bought 24 candy bars for $12. Jared went to a different store and bought 18 of the same candy bars for $6. Did Mary or Jared get a better price?

Display Master: Better Price B

Mary

Rate Unit Rate

_____ _____ = _____

Jared

Rate Unit Rate

_____ _____ = _____

Display Master: Better Price C

Mary

$$\frac{\text{candy bars}}{\text{dollars}} \quad \underset{\text{Rate}}{\frac{24}{12}} = \underset{\text{Unit Rate}}{\frac{\quad}{\quad}}$$

Jared

$$\frac{\text{candy bars}}{\text{dollars}} \quad \underset{\text{Rate}}{\frac{18}{6}} = \underset{\text{Unit Rate}}{\frac{\quad}{\quad}}$$

Display Master: Better Price D

Mary

$$\frac{\text{candy bars}}{\text{dollars}} \quad \underset{\text{Rate}}{\frac{24}{12}} = \underset{\text{Unit Rate}}{\frac{2}{1}}$$

Jared

$$\frac{\text{candy bars}}{\text{dollars}} \quad \underset{\text{Rate}}{\frac{18}{6}} = \underset{\text{Unit Rate}}{\frac{3}{1}}$$

Display Master: Slower Rate A

Virginia and Luke each went on road trips for summer vacation. Virginia found that she could travel 195 miles in 3 hours. Luke could travel 248 miles in 4 hours. Who traveled at a slower rate?

Display Master: Slower Rate B

Virginia

	Rate		Unit Rate
_____	_____	=	_____

Luke

	Rate		Unit Rate
_____	_____	=	_____

Display Master: Slower Rate C

Virginia

	Rate		Unit Rate
$\frac{\text{miles}}{\text{hours}}$	$\frac{195}{3}$	=	$\frac{\quad}{\quad}$

Luke

	Rate		Unit Rate
$\frac{\text{miles}}{\text{hours}}$	$\frac{248}{4}$	=	$\frac{\quad}{\quad}$

Display Master: Slower Rate D

Virginia

	Rate		Unit Rate
$\frac{\text{miles}}{\text{hours}}$	$\frac{195}{3}$	$=$	$\frac{65}{1}$

Luke

	Rate		Unit Rate
$\frac{\text{miles}}{\text{hours}}$	$\frac{248}{4}$	$=$	$\frac{62}{1}$