

PATTERNS AND RECIPROCAL

Complete the missing pieces of the tables below.

FRACTION	RECIPROCAL	PRODUCT
$\frac{3}{7}$		
	$\frac{2}{3}$	
	$\frac{8}{1}$	
$\frac{9}{10}$		
		1

PROBLEM	INEQUALITY	PRODUCT
$3 \cdot \frac{3}{7}$		3
$3 \cdot \frac{2}{3}$		3
$3 \cdot \frac{1}{8}$		3
$3 \cdot \frac{9}{10}$		3
$3 \cdot \frac{4}{5}$		3

Using your understanding of multiplying fractions and reciprocals, answer the questions below.

1. If 40 is multiplied by a number, identify a number that will give a product less than 40? Explain why you chose this number.

2. Josi stated that when 9 is multiplied by $\frac{2}{3}$, the product will be between $\frac{2}{3}$ and 9. Why is Josi's statement true?

3. Write an expression that would have a value less than $\frac{3}{4}$.