Name: _____ Date: _____

Fractions (Recapitulation)

Q1. Compare the following fractions by using symbol >or<or=:

i. $\dfrac{17}{23}$ and $\dfrac{19}{23}$

ii. $\dfrac{2}{5}$ and $\dfrac{1}{7}$

Fractions (Recapitulation)

Q1. Compare the following fractions by using symbol >or<or=:

i. $\dfrac{17}{23}$ and $\dfrac{19}{23}$ ii. $\dfrac{2}{5}$ and $\dfrac{1}{7}$

i. $\dfrac{17}{23}$ and $\dfrac{19}{23}$

$\dfrac{17}{23} < \dfrac{19}{23}$

(When comparing two fractions with like denominators, the larger fraction is the one with the greater numerator.)

ii. $\dfrac{2}{5}$ and $\dfrac{1}{7}$

LCM of 5 and 7
We have,

5	5, 7
7	1, 7
	1, 1

Therefore, LCM of 5 and 7 is 5x7 = 35
Now we convert the given fractions to equivalent fraction with denominator 35.

$\dfrac{2}{5} = \dfrac{2x7}{5x7} = \dfrac{14}{35}$

$\dfrac{1}{7} = \dfrac{1x5}{7x5} = \dfrac{5}{35}$

14>5 (compare the numerator of the fractions)

$\dfrac{14}{35} > \dfrac{5}{35}$

$\dfrac{2}{5} > \dfrac{1}{7}$