FINAL TEST FOR PRIME FACTORING

Prime factor

1) 299=_____   2) 413=_____

3) Does 330 have a factor of 2?____ of 3?____of 5?____of 11?____
Put these fractions in simplest form.

4) $\dfrac{340}{561}$ = ____   5) $\dfrac{805}{1656}$ = ____   6) $\dfrac{495}{792}$ = ____

Put R P behind each pair of numbers that are relatively prime, give the common factors of those that are not.

7) 221 , 228_____   8)377 , 1378_____   9)391 , 19_____

Multiply and simplify

10) $\dfrac{23}{115} \times \dfrac{35}{42}$ = ____   11) $\dfrac{35}{54} \times \dfrac{81}{56}$ = ____

Divide and simplify

12) $\dfrac{143}{221} \div \dfrac{154}{56}$ = ____   13) $\dfrac{81}{135} \div \dfrac{34}{85}$ = ____

Find the greatest common factor.

14) 490 , 2310 _____   15) 867 , 1292 _____   16) 527 , 589_____
Find the least common multiple.
17) 552 , 276_____18) 91 , 78_____   19) 117 , 195_____
Add
20) $\dfrac{5}{21}$ 21) $\dfrac{14}{15}$ 22) $\dfrac{1}{14}$

$+ \dfrac{3}{28}$ $+ \dfrac{9}{21}$ $+ \dfrac{3}{10}$

_____   _____   _____