Reducing Fractions (KEY)

Reduce the following fractions. State the GCF, and show your work.

1) $\frac{4}{8}=\frac{4(1)}{4(2)}=\frac{1}{2}$ G.C.F. = 4

2) $\frac{7}{21}=\frac{7(1)}{7(3)}=\frac{1}{3}$ G.C.F. = 7

3) $\frac{24}{32}=\frac{3}{4}$ G.C.F. = 8

4) $\frac{52}{65}=\frac{4}{5}$ G.C.F. = 13

5) $\frac{6}{15}=\frac{2}{5}$ G.C.F. = 3

6) $\frac{25}{40}=\frac{5(5)}{5(8)}=\frac{5}{8}$ G.C.F. = 5

7) $\frac{35}{42}=\frac{7(5)}{7(6)}=\frac{5}{6}$ G.C.F. = 7

8) $\frac{45}{75}=\frac{3}{5}$ G.C.F. = 15

9) $\frac{12}{22}=\frac{6}{11}$ G.C.F. = 2

10) $\frac{18}{30}=\frac{3}{5}$ G.C.F. = 6

11) $\frac{44}{77}=\frac{11(4)}{11(7)}=\frac{4}{7}$ G.C.F. = 11

12) $\frac{54}{72}=\frac{18(3)}{18(4)}=\frac{3}{4}$ G.C.F. = 18

13) $\frac{20}{28}=\frac{5}{7}$ G.C.F. = 4

14) $\frac{36}{54}=\frac{18(2)}{18(3)}=\frac{2}{3}$ G.C.F. = 18

15) $\frac{45}{63}=\frac{5}{7}$ G.C.F. = 9

16) $\frac{56}{126}=\frac{14(4)}{14(9)}=\frac{4}{9}$ G.C.F. = 14