

Name: _____

Period: _____ Date: _____

Greatest Common Factor (GCF) - Prime Factoring and Reducing Fractions

| Find the GCF by Prime Factoring | Reduce the Fraction by Prime Factoring |
|--|---|
| 1. 8 and 12 | $\frac{8}{12}$ |
| 2. 18 and 45 | $\frac{18}{45}$ |
| 3. 42 and 70 | $\frac{42}{70}$ |
| 4. 135 and 108 | $\frac{108}{135}$ |
| 5. 756 and 360 | $\frac{360}{756}$ |

| Find the GCF by Prime Factoring | Reduce the Fraction by Prime Factoring |
|--|---|
| 7. 210 and 350 | $\frac{210}{350}$ |
| 8. 66 and 110 | $\frac{66}{110}$ |
| 9. 78 and 182 | $\frac{78}{182}$ |
| 10. 240 and 280 | $\frac{240}{280}$ |