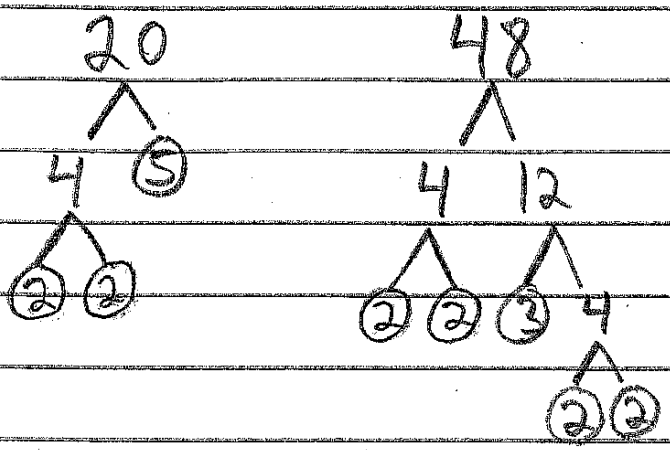
Greatest Common Factor

1) Find the GCF of 20 and 48.

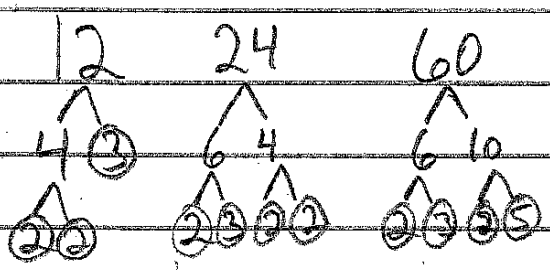


$20 = 2 \cdot 2 \cdot 5$

$48 = 2 \cdot 2 \cdot 2 \cdot 2 \cdot 3$

$GCF = 2 \cdot 2 = \boxed{4}$

2) Find the GCF of 12, 24, and 60.



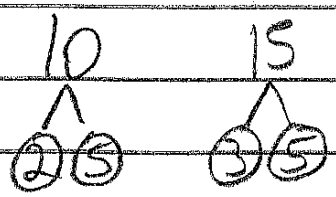
$12 = 2 \cdot 2 \cdot 3$

$24 = 2 \cdot 2 \cdot 2 \cdot 3$

$60 = 2 \cdot 2 \cdot 3 \cdot 5$

$GCF = 2 \cdot 2 \cdot 3 = \boxed{12}$

3) Find the GCF of $10x^2y$ and $15xy^3$



$10x^2y = 2 \cdot 5 \cdot x \cdot x \cdot y$

$15xy^3 = 3 \cdot 5 \cdot x \cdot y \cdot y \cdot y$

$GCF = \boxed{5xy}$