

$$2x + 4 = ( \quad )$$

The common factors of 2 and 4 are:

1  
2

$$10x + 40 = ( \quad )$$

The common factors of 10 and 40 are:

1  
2  
5  
10

$$2x^2 + 4x = ( \quad )$$

$$2 \cdot x \cdot x \quad 4 \cdot x$$

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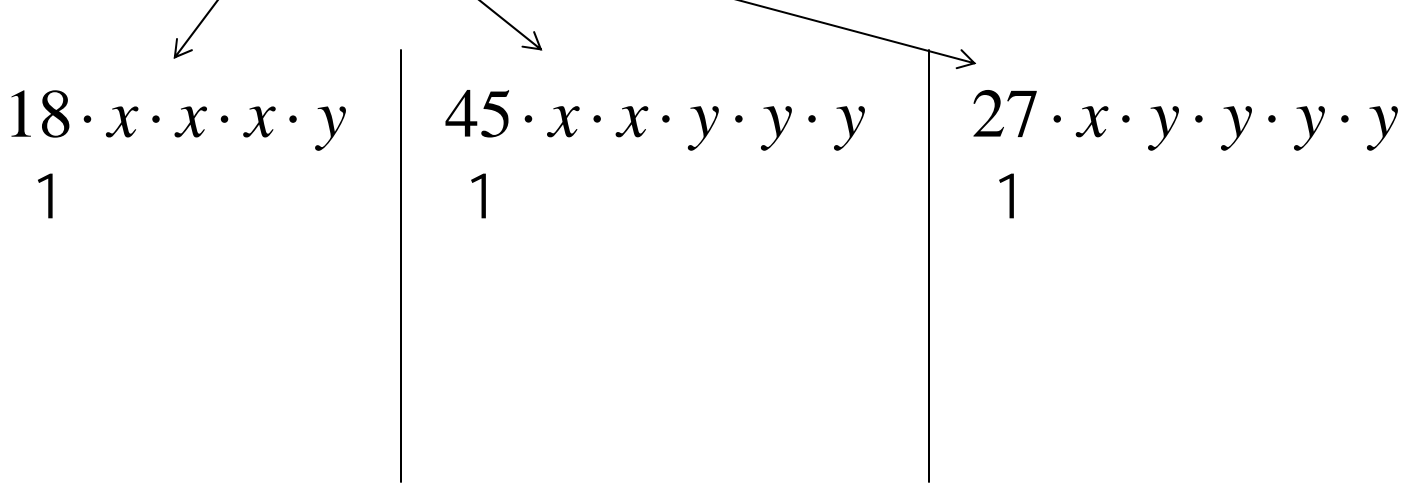
$$10x^3 + 40x^2 = ( \quad )$$

The common factors of 10 and 40 are:

$$10 \cdot x \cdot x \cdot x \quad 40 \cdot x \cdot x$$

Note: You cannot factor out more than  $x^2$ .  
Therefore, our GCF =  $10x^2$ .

$$\underbrace{18x^3y} + \underbrace{45x^2y^3} - \underbrace{27xy^4} = ( \quad )$$



Therefore, the GCF =

$$\underbrace{15a^7b^4} - \underbrace{9a^5b^6} + \underbrace{27a^4b^9}$$

$15 \cdot a^7 \cdot b^4$	$9 \cdot a^5 \cdot b^6$	$27 \cdot a^4 \cdot b^9$
1	1	1

Therefore, the GCF =

$3a^4b^4$ $5a^3$	$3a^4b^4$ $3ab^2$	$3a^4b^4$ $9b^5$
↓	↓	↓

$$15a^7b^4 - 9a^5b^6 + 27a^4b^9 = (5a^3 - \quad + \quad)$$