

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

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

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

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

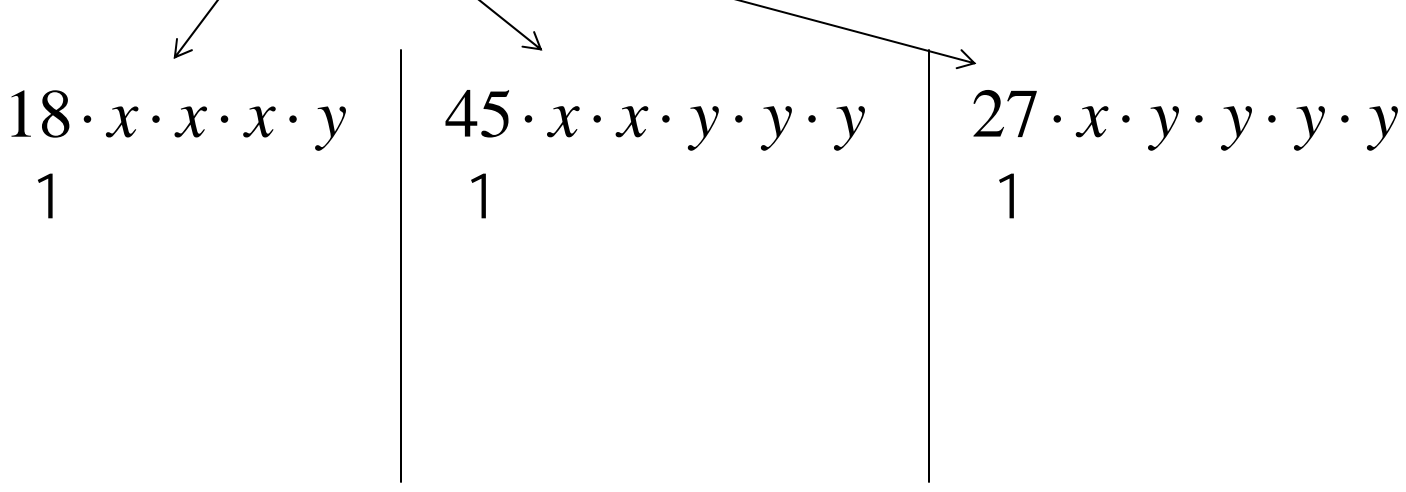
$$10x^3 + 40x^2 = (\quad)$$

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 =

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

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