


I'm not robot  reCAPTCHA

Continue

GCF1

Name: _____
Mr. ArtDate: _____
Period: _____**Factoring**
GCF Method

Example:	Steps:
$3x - 3y$ $3(x - y)$	1) Factor out GCF (both the $3x$ and $3y$ have 3 in common) 2) When factoring out a positive \rightarrow signs remain the same (signs inside the parentheses) 3) When factoring out a negative \rightarrow signs change (positive \rightarrow negative) (Negative \rightarrow positive)
1) $xc - xd$	2) $3m - 6n$
3) $18c + 27d$	4) $7y - 7$
5) $y^2 - 3y$	6) $ax - 5ab$
7) $8a + a^2b^2$	8) $x^3y^2 + x^2y$

Name : _____ Score : _____

Teacher : _____ Date : _____

Find the Greatest Common Factor for each number pair.

- 1) 5 , 40 _____
- 2) 30 , 6 _____
- 3) 10 , 24 _____
- 4) 6 , 12 _____
- 5) 20 , 15 _____
- 6) 20 , 12 _____
- 7) 40 , 30 _____
- 8) 2 , 5 _____
- 9) 30 , 40 _____
- 10) 10 , 40 _____

LCM - Monomials

ES1

Find the least common multiple of each pair of monomials.

1) $4x^2y, 12xy$

LCM = _____

2) $10a^4b, 15a^3b^2$

LCM = _____

3) $6mn^2, 24n$

LCM = _____

4) $12pq^6, 18p^3q^4$

LCM = _____

5) $2abc^2, 10ab^6$

LCM = _____

6) $x^5y^2z, 7xy^2z^2$

LCM = _____

7) $16qr^4, 2q^2r^2$

LCM = _____

8) $18c^2d^2, 3cd^2$

LCM = _____

9) $5ab^2c, a^4c$

LCM = _____

10) $4c^2, cd^2$

LCM = _____

Lowest Common Multiple

Least Common Multiple (LCM) of 2 numbers is the smallest positive number which is the multiple of both the no.

Find the LCM of the below given nos.

1) 10 and 24

$$\begin{array}{l} 2 \times 2 \times 3 \\ 2 \times 2 \times 2 \times 3 \end{array}$$

$$\begin{array}{l} 2 \times 2 \times 2 \times 3 \times 2 \\ 2 \times 2 \times 3 \end{array}$$

LCM = $2 \times 2 \times 2 \times 3 \times 2$

LCM = _____

3) 81 and 32

LCM = _____

5) 45, 70 and 25

LCM = _____

7) 875 and 105

LCM = _____

LCM = _____

2) 27 and 9

LCM = _____

6) 240 and 312

LCM = _____

8) 1225 and 490

LCM = _____

LCM = _____

