

Factor by Grouping

GROUPING: This factoring technique is used when you have 4 or more terms.

Try grouping the first two terms and the last terms.

Factor out the GCF of each group.

If the GCF matches exactly, then “take out” that GCF from both groups.

Factor further, if necessary.

Factor the following:

1. $10hn - 3km + 2hm - 15kn$

2. $-42x^2z^3 + 6x^2z^2 - 2xz^3 + 14xz^4$

3. $7xy^3 - 20xy + 2y^3 - 70x^2y$