Walt Factorise algebraic expressions

Success Criteria I can understand distributive law to expand. In factorising, I am removing the highest common factor. It is the opposite of expanding

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Factorise these expressions.

1. $6a + 6b$
2. $2p - 2q$
3. $12x + 12y$
4. $10d - 10e$
5. $2p + 2q - 2r$
6. $7c - 7d + 7e$
7. $3c - 3g - 3d$
8. $4x + 8y$
9. $3a + 6b$
10. $12x + 24y$
11. $4c + 6d$
12. $16x - 20y$
13. $6x + 9y + 21z$
14. $8p + 4q - 12r$
15. $16a - 24b + 8c - 8d$

Factorise these expressions.

1. $3x + 6$
2. $4x + 8$
3. $6x + 8$
4. $8x + 12$
5. $12x - 8$
6. $3x + 30$
7. $4x + 6$
8. $21x + 14$
9. $4x + 18$
10. $6x + 9$
11. $5x - 15$
12. $24x - 16$
13. $5x + 5$
14. $7x - 7$
15. $4x + 2$
16. $15x - 21$
17. $14x + 35$
18. $16x - 4$
19. $15x - 5y$
20. $46x + 23$
21. $60x - 90$
22. $30x - 5$
23. $45x + 30$
24. $6x - 9y + 12z$
25. $24p - 18q + 30r$
26. $3a + 6b + 18$
27. $4x + 4y - 4$
28. $40x + 8y + 4$

Factorise the following expressions.

1. $pq + pr$
2. $ac + af$
3. $fg - fh$
4. $ab + 2a$
5. $bc - 3b$
6. $6x - ax$
7. $3p + pq$
8. $4x - xy$
9. $acg - 2a$
10. $pq - pr + 2p$
11. $pqr + pqt$
12. $wxy - xyz$
13. $3xy - 4x$
14. $6pq - 5pr$
15. $3x + xy - xz$
16. $4x - 6xy$
17. $3xy + 6px$
18. $4abc - 5abd$
19. $21xyz + 35pxy$
20. $xy + x$
21. $acd + ac$
22. $2pqr - qr$
23. $6xy - y$
24. $12ax + 6ay$
25. $3de + 60ef$
26. $24xy + 18x$
27. $42px - 18pqx$
28. $6pxy + 3pxz$

Factorise these expressions.

1. $3x^2 + 5x$
2. $6x - 3x^2$
3. $x^2 + x^3$
4. $2x^3 + 5x^2$
5. $6x^2 + 9x^3$
6. $4x^2 + 2$
7. $3x^3 - x$
8. $x^3 + x^2 - x$
9. $24x^2 - 12x$
10. $4x^5 + 6x^3$

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