

☺ *Factorise the following.*

(1) $3a + 3b$

(2) $5x - 5y$

(3) $11m + 11n$

(4) $mn + mp$

(5) $ax - ay$

☺ *Factorise the following.*

(6) $bg + bh$

(7) $4ab + 12ac$

(8) $5xy - 20xz$

(9) $14mnp + 8mnq$

(10) $24abx - 16acx$

☺ Factorise the following.

(11) $5m + 5n - 5p$

(12) $2x - 4y + 6z$

(13) $10a - 20b - 30c$

(14) $ab + ac - ad$

(15) $fh - fk - fm$

☺ Factorise the following.

(16) $xy + y^2 + yz$

(17) $2ab + 6ac + 14ad$

(18) $7x^2 - 21xy + 35xz$

(19) $4abc - 8abd + 20abe$

(20) $6mnxy - 15abcn - 12fhnp$

☺ Factorise the following.

(21) $a(m + n) + b(m + n)$

(22) $x(a - b) - y(a - b)$

(23) $3a(p + q) + 3b(p + q)$

(24) $5a(m - n) - 10b(m - n)$

(25) $mn(x + y) - mp(x + y)$

☺ Factorise the following.

(26) $ab + ac + mb + mc$

(27) $mn - mp - nx + px$

(28) $x^2 - xy + mx - my$

(29) $3fg - 3fh + 4gk - 4hk$

(30) $2ab - 8ac + 5bd - 20cd$

☺ Factorise and simplify the following.

$$(31) \frac{am + bm}{m}$$

$$(32) \frac{xy - xz}{3x}$$

$$(33) \frac{n}{np + nq}$$

$$(34) \frac{5a}{am + an}$$

$$(35) \frac{2x - 2y}{3x - 3y}$$

☺ Factorise and simplify the following.

$$(36) \frac{am + bm}{an + bn}$$

$$(37) \frac{2xy - 3xz}{2ay - 3az}$$

$$(38) \frac{ab + ac + ad}{bx + cx + dx}$$

$$(39) \frac{mn - mp - mq}{3an - 3ap - 3aq}$$

$$(40) \frac{ab + ac + bm + cm}{bx - by + cx - cy}$$