

**Ex1**Factorise  $2ab + 4b$ .**Ex2**Factorise  $16xy + 24x$ .**Q3**

Factorise,

**[a]**  $6gh + 12h$

**[b]**  $2ab + ad$

**[c]**  $9rt - 12r$

**[d]**  $jk + k$

**[e]**  $2x + 6xy$

**[f]**  $14us - 21ut$

**[g]**  $9ab + 3ac - 6ad$

**[h]**  $4pq - 10pr + 2ps$

**Q4**

Fill in the missing boxes to make the following true.

**[a]**  $5x + 20 = \square(x + 4)$

**[b]**  $6y + 30 = \square(y + 5)$

**[c]**  $16 - 4e = 4(\square - e)$

**[d]**  $21 + 7p = 7(3 + \square)$

**[e]**  $14 - 6d = 2(\square - 3d)$

**[f]**  $44h + 36 = \square(11h + 9)$

**[g]**  $72r - 12 = 12(\square - 1)$

**Q5**

Write the letter of the expression next to its factorised form.

**[a]**  $4x + 20$

**[b]**  $4x - 20$

**[c]**  $4 - 20x$

**[d]**  $4 + 20x$

**[e]**  $20x + 4$

**[f]**  $20x - 4$

**[g]**  $20 + 4x$

Double brackets	Letter
$4(1 + 5x)$	
$4(5x + 1)$	
$4(5 - x)$	
$4(x - 5)$	
$4(5x - 1)$	
$4(x + 5)$	
$4(1 - 5x)$	

**Q6**

Factorise the following,

**[a]**  $10a + 40$

**[b]**  $3b + 24$

**[c]**  $3c - 15$

**[d]**  $3d + 12$

**[e]**  $9e - 24$

**[f]**  $4f - 6$

**[g]**  $6g + 24$

**[h]**  $28h + 49$

**[i]**  $3i + 18$

**[j]**  $6j + 21$

**[k]**  $12k - 36$

**[l]**  $18l + 6$

**[m]**  $12 - 4m$

**[n]**  $8 - 24n$

**[o]**  $30 + 6o$

**[p]**  $14 + 56p$

**[q]**  $56 + 32q$

**[r]**  $36 + 30r$

**[s]**  $15 - 9s$

**[t]**  $32 + 8t$

**[u]**  $25u - 40$

**[v]**  $49v - 21$

**[w]**  $32 + 64w$

**[x]**  $28x + 56$