Factoring (Single Brackets)

Task 1–Factorise each expression

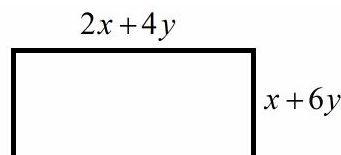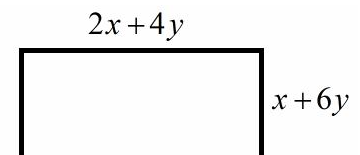|	
$2a+10$	
$2a-10$	
$2a-12$	
$4a-12$	
$8a-12$	
$8a+12$	
$8a^2-12$	
$8a^2-12a$	
$6x+3$	
$6x+3y$	
$6x+3xy$	
$6xy+4x$	
$6xy+4x^2$	
$10a+2$	
$10a+2b$	
$10a+2b+6$	
$a+ab$	
a^2+ab	
a^2+ab^2	
$4a^2+ab^2$	
$4a^2+2ab^2$	
x^2-x	
$5x^2-x$	
$5x^2-10x$	
$5x-10x^2$	
$15x-10x^2$	
$15x^3-10x^2$	
$5ab+10a^2b+15ab^2$	
y^5+y^4	

Task 2–Word based questions

(1) Find a factorised expression (in its simplest form) for the perimeter of the rectangle below.

$2x+4y$

$x+6y$
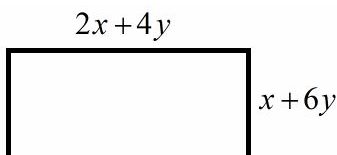
(2) Sue has $2n$ coins, Fred has $3n-1$ coins and Helen has $5n+16$ coins. Find a factored expression for the total number of coins they have between them.

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