



- 1) a) *The first digit; the x coordinate changes when a point is translated left or right.*
 b) *The second digit; the y coordinate changes when a point is translated up or down.*
 c) *(2,1)*
- 2) a) *(3 left, 1 down)*
 b) *c = (1,1) and d = (2,1)*



- 1) a) *False, the first digit, which is the x coordinate, would change.*
 b) *False. The translation is (1 left, 4 down). The instructions are written the wrong way round.*
 c) *True*
 d) *False, those coordinates would make a trapezium.*



- 1) *Original coordinates of D were (8,6).*
- 2) *The translation is (3 right, 1 down).*
- 3) *Children could find eleven different possible translations: (left 1), (left 1, down 1), (left 1, down 2), (down 1), (down 2), (right 1), (right 1, down 1), (right 1, down 2), (right 2), (right 2, down 1), (right 2, down 2).*