Fill In The Blanks…

**Factorising Quadratics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Quadratic Expression** | **Sum** | **Product** | **Pair of Values** | **Factorised Expression** |
| $$x^{2}+8x+15$$ | $$+8$$ | $$+15$$ | $$+5$$ | $$+3$$ | $$(x+5)(x+3)$$ |
| $$x^{2}+5x+6$$ | $$+5$$ | $$+6$$ | $$+3$$ |  |  |
| $$x^{2}+6x+5$$ | $$+6$$ | $$+5$$ | $$+5$$ |  |  |
| $$x^{2}+10x+21$$ |  | $$+21$$ |  |  |  |
| $$x^{2}+14x+24$$ | $$+14$$ |  |  |  |  |
| $$x^{2}-7x+10$$ |  |  | $$-5$$ |  |  |
| $$x^{2}-11x+18$$ |  |  |  |  |  |
| $$x^{2}+3x-10$$ |  |  | $$+5$$ |  |  |
| $$x^{2}+3x-18$$ |  |  |  |  |  |
| $$x^{2}+11x+18$$ |  |  |  |  |  |
| $$x^{2}-4x-21$$ |  |  | $$-7$$ |  |  |
| $$x^{2}-8x-9$$ |  |  |  |  |  |
| $$x^{2}-6x+9$$ |  |  |  |  |  |
| $$x^{2}+x-20$$ | $$+1$$ |  |  |  |  |
| $$x^{2}-x-6$$ |  |  |  |  |  |
| $$x^{2}-19x-42$$ |  |  |  |  |  |
|  |  |  | $$-8$$ | $$-3$$ |  |
|  | $$+4$$ |  | $$-1$$ |  |  |