

1. Break the following numbers down into their PRIME factors (use a factor tree or factor sentence): (4 marks)

(a) 16

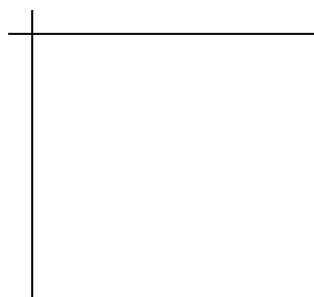
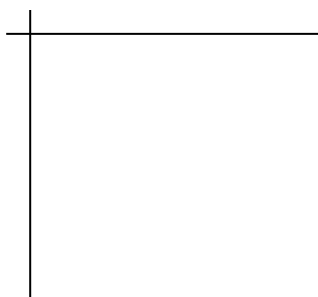
(b) 27

(c) 108

2. Using the Area Model, FACTOR the following, include a diagram (4 marks)

(a) $2x + 6$

(b) $-3x - 9$



3. Find the Greatest Common Factor (GCF) for the following terms: (4 marks)

(a) 16, 40, 24

(b) $18a^4$, $27a^3$, $45a^2$

4. Common Factor the following: (6 marks)

(a) $4x - 20$

(b) $2a^4 - 10a$

(c) $14m^5 + 21m^3$