# Powers G. Revision

**1. *Find the missing number in each box.***

(a) $6 \times 6 \times 6 = 6^{\square}$ (b) $2^2 \times 5^2 = 10^{\square}$ (c) $11^3 \div 11 = 11^{\square}$

(d) $13^{\square} \times 13 = 13^3$ (e) $27 = 3^{\square}$ (f) $7^{\square} \div 7 = 7^2$

**2. *Write the missing number in each box.***

(a) $2^2 \times 3^2 = 6^{\square}$ (b) $3 \times 9 = 3^{\square}$ (c) $4 \times 49 = 14^{\square}$

(d) $64 \times 3^2 = 24^{\square}$ (e) $\square = 5^3$ (f) $2^3 \times 3^2 = 2 \times 6^{\square}$

**3. *Work out***

(a) $6^2 + 5^2$ (b) $7^3 + 11^2$ (c) $10^2 - 8^2$

(d) $13^3 - 9^3$ (e) $11^3 + 3^3$ (f) $10^3 \div 5^2$

**4. *Work out***

(a) $2^3 \times 4^3 - 16^2$ (b) $11^3 - 9^3 + 10^2$ (c) $40^2 + 7^3 - 8^3$

(d) $12^3 \times 2 \div 6^3$ (e) $4^2 + 5^2 - 3^3$ (f) $\dfrac{9^3 \times 12^2}{6^2 \times 3^2}$

**5. *Work out***

(a) $10^3 \div 10$ (b) $\dfrac{2^3 \times 3^3}{6^2}$ (c) $\dfrac{5^3 \times 10^2}{20^2}$

(d) $\dfrac{8^3 \times 4^2}{16^2}$ (e) $\dfrac{7^2 \times 10^2}{5^2 \times 7}$ (f) $\dfrac{15^2 - 9^2}{2^2 \times 3^2}$

Chocolate