

Ejercicio

$$1) 2 + 2 \times 2 + 3 \times 3 \times 3 + 4 \times 4 \times 4 =$$

$$= 2^3 + 3^3 + 4^3 = 8 + 27 + 64 = \underline{\underline{99}}$$

$$2) 13 \times 13 + 3 \times 3 + 10 \times 10 =$$

$$13^2 + 3^2 + 10^2 = 169 + 9 + 100 = \underline{\underline{278}}$$

$$3) 7 \times 7 - 4 \times 4 \times 4 = 7^2 - 4^3 = 49 - 64$$

$$= \underline{\underline{-15}}$$

$$4) 122 \times 122 \times 122 + 122 =$$

$$122^3 + 122 = 1,815,848 + 122 =$$

$$\underline{\underline{1,815,970}}$$

$$5) 20 \times 20 \times 20 \times 20 - 5 \times 5 \times 5 \times 5 \times 5 = 20^4 - 5^5$$

$$160,000 - 3,125 = \underline{\underline{156,875}}$$

$$6) 5 \times 5 \times 5 + 5 \times 5 \times 5 \times 5 \times 5 + 1$$

$$5^3 + 5^4 + 5^0 = 125 + 625 + 1 = \underline{\underline{751}}$$

$$7) 11 \times 11 + 7 \times 7 = 11^2 + 7^2 =$$

$$121 + 49 = \underline{\underline{170}}$$

$$8) 100 \times 100 \times 100 - 6 \times 6 \times 6 \times 6 = 100^3 - 6^4 =$$

$$1,000,000 - 1,296 = \underline{\underline{998,704}}$$

$$9) 10 \times 10 \times 10 \times 10 + 10 \times 10 \times 10 \times 10 \times 10 + 10 \times 10 \times 10 \times 10 \times 10 \times 10$$

$$10^4 + 10^5 + 10^6 = 10,000 + 100,000 + 1,000,000$$

$$\underline{\underline{1,110,000}}$$

$$10) 6 \times 6 \times 6 - 3 \times 3 \times 3 = 6^3 - 3^3 =$$

$$216 - 27 = \underline{\underline{189}}$$

$$11) 11 \times 11 + 11 \times 11 \times 11 \times 11 = 11^2 + 11^4$$

$$121 + 14,641 = \underline{\underline{14,762}}$$

$$12) 2 \times 2 + 2 \times 2 \times 2 + 2 \times 2 \times 2 \times 2 =$$

$$2^2 + 2^3 + 2^4 = 4 + 8 + 16 = \underline{\underline{28}}$$

$$13) 5 \times 5 - 2 \times 2 \times 2 \times 2 = 5^2 - 2^4$$

$$25 - 16 = \underline{\underline{9}}$$