

Expand using INDEX NOTATION

$$100\ 000 = 10^5$$

$$10\ 000 = 10^4$$

$$1000 = 10^3$$

$$100 = 10^2$$

$$10 = 10^1$$

$$1 = 10^0$$

$$23\ 560 = 2 \times 10^4 + 3 \times 10^3 + 5 \times 10^2 + 6 \times 10^1$$

$$104\ 307 = 1 \times 10^5 + 4 \times 10^4 + 3 \times 10^3 + 7 \times 10^1$$

$$5\ 050\ 055 = 5 \times 10^6 + 5 \times 10^4 + 5 \times 10^2 + 5 \times 10^0$$

$$3\ 460\ 370 = 3 \times 10^6 + 4 \times 10^5 + 6 \times 10^4 + 3 \times 10^3 + 7 \times 10^2$$

$$12\ 008\ 105 = 1 \times 10^7 + 2 \times 10^6 + 8 \times 10^3 + 1 \times 10^2 + 5 \times 10^0$$