

EXPANDING WHOLE NUMBERS:

Numbers can be expanded using:

- i. Place values ii. Values iii. Powers of 10 (studied in P.4)

Examples:

Expand 478:

i. using place values:

✚ multiply each digit with its place value

$$478 = (4 \times 100) + (7 \times 10) + (8 \times 1)$$

ii. using values:

✚ multiply each digit with its place value

✚ then get the values

$$\begin{aligned} 478 &= (4 \times 100) + (7 \times 10) + (8 \times 1) \\ &= 400 + 70 + 8 \end{aligned}$$

1. Expand the following numbers using place values.

a. 689

b. 7305

2. Expand the following numbers using values.

a. 281

b. 553

Forming numbers/numerals using given digits:

Example:

Given the digits 5, 2 and 4: form the;

a. Any three 3-digit numbers

i.

ii.

iii.

b. The greatest and least 3-digit numbers

i. greatest numeral

ii. least numeral

