



23×3×5 -> basic numeral. $= 8 \times 3 \times 5$ = 8 × 15 break BIDMAS it: = 120 / 23×3×5 63×5 ×

e.
$$\frac{3^2 \times 5^2 \times 7}{= 9 \times 25 \times 7}$$

$$= 225 \times 7$$

$$= 1575$$
| base

i) 10

10)

- 00) (11 (iii)1000
- iv) (000,000 10 × 10 × 10 × 10× 10 ၂၀၁ 100,000 (-000/000

1040 = 1× 1040 = 1.e+40 1040 in scientific cole on computer

Scientific calculator NOTATION

500
$$\rightarrow$$
 $5 \times 10^{2} + 0 \times 10^{1} + 0 \times 10^{3}$

hundreds tens ones (not o)

check: $5 \times 100 + 0 \times 10^{1} \times 0 \times 10^{3}$
 0×1
 $= 500 \times 1$
 $+ \times 10^{2} + 7 \times 10^{1} + 0 \times 10^{3}$

 $2360 \rightarrow \frac{2 \times 10^{3} + 3 \times 10^{2} + 6 \times 10^{3} + 0 \times 10^{6}}{2360}$ **c.** Write each of the following as a basic numeral.

ii.
$$3 \times 10^4 + 6 \times 10^2$$
iii. $5 \times 10^6 + 2 \times 10^5 + 4 \times 10^2 + 8 \times 10^1$

-> 7×10,000+5×1000

= 75,000.

b. Use your knowledge of place value to rewrite each of the following basic numerals in expanded form using powers of 10. The first number has been done for you. **Basic numeral Expanded form** 230 $2 \times 10^2 + 3 \times 10^1$ DONE 500 DONE iii. 470 DONK 2360 00 1980 00 5430

i. $7 \times 10^4 + 5 \times 10^3$