

50 A composite number is a natural number with 2 or more (not necessarily distinct) prime factors. Express the composite numbers as simply as you can.

After trying the question, scroll down to the solution.

§ I suppose 0 and 1 are not prime. Answer:

$$0, (nat+2) \times (nat+2)$$

Since

$$0 = 0 \times 2 \times 3$$

therefore 0 has prime factors 2 and 3 (and all other primes too). So 0 is composite according to the informal definition. Perhaps that was unintended, and the answer should be

$$(nat+2) \times (nat+2)$$

Informal definitions are easily misunderstood; formal definitions are unambiguous.