

7

$$A = 2^3 \times 3^2 \times 5^4$$

$$B = 2^2 \times 3^3 \times 5^n$$

Given that the Lowest Common Multiple (LCM) of  $A$  and  $B$  is 3 375 000

find the value of the integer  $n$ .

Show your working clearly.

$n = \dots\dots\dots$

**(Total for Question 7 is 2 marks)**

