

Please do not write on this exam paper and do not forget to give it back at the end of the test

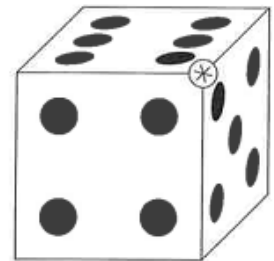
Subject 29 – ARITHMETIC

Ex1:

Mary's dad is one year older than her mum and next year the product of her parents' ages will be over 1000 for the first time. What is the product of their ages now?

Ex2: Choose the right answer.

The opposite faces on a standard dice add to give a total of 7.
The game of Corners is played by rolling a dice and then choosing a vertex of the dice with your eyes closed.
For example, the score for the vertex chosen beside would be $4+5+6 = 15$.
Which of the following scores is **not** possible when playing Corners?
(A) 6 (B) 7 (C) 8 (D) 9 (E) 10



Ex3:

What is the smallest positive integer that can be expressed simultaneously as the sum of nine consecutive integers, the sum of ten consecutive integers and the sum of eleven consecutive integers?

Voc : a die (dice) = un dé (des dés)