117. Find the unit digit of

$A = \underbrace{2017 \times 2017 \times 2017 \times ... \times 2017}_{2017's} \times \underbrace{1221 \times 1221 \times 1221 \times ... \times 1221}_{1221's}$.

Unit digit: Chữ số hàng đơn vị.

118. Define the operation symbol $a \otimes b = b \times b - 2 \times a \times b + a \times a$, find the value of $(13 \otimes 14) \otimes 15$.

Define: Định nghĩa; Operation symbol: Ký hiệu phép toán; Value: Giá trị.

119. The sum of two positive numbers *A* and *B* is 96. Find the maximum value of the product of *A* and *B*.

Sum: Tổng; Positive number: Số tự nhiên lớn hơn 0; Maximum value: Giá trị lớn nhất; Product: Tích.

120. How many 3-digit number(s) that can be divisible by 3 or 5 is / are there?

3-digit number: Số có 3 chữ số; Divisible: Chia hết.

121. If a 5-digit number $\overline{81A76}$ is divisible by 36, find the value of *A*.

5-digit number: Số có 5 chữ số; Divisible: Chia hết; Value: Giá trị.

122. Find the unit digit of *A* if $A = \underbrace{3 \times 3 \times 3 \times ... \times 3}_{100's} \times \underbrace{7 \times 7 \times 7 \times ... \times 7}_{100's}$

Unit digit: Chữ số hàng đơn vị.

123. The difference of *A* and *B* is 144. *A* is 7 times of *B*. Find the value of *B*.

Difference: Hiệu; Times: Gấp; Greater than: Lớn hơn; Value: Giá trị.

124. The sum of *A* and *B* is 168. *A* is larger than *B* by 10 times of B. Find the value of *A*.

Sum: Tổng; Larger than: Lớn hơn; Times: Lần; Value: Giá trị.

125. What is the smallest three-digit number that can be divisible by 6 and 8?

Three-digit number: Số có 3 chữ số; Divisible: Chia hết.

126. If the 9-digit number $\overline{2018A902B}$ is divisible by 144, find the value of A + B.

9-digit number: Số có 9 chữ số; Divisible: Chia hết.

127. Find the number of factors of 720.

Factors: Ước số.

128. Define the operation symbol $a \otimes b = a \times b - a - b + 1$, find the value of

$13 \otimes (9 \otimes 6)$.

Operation symbol: Kí hiệu phép toán.

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129. The sum of two positive numbers A and B is 96. Find the maximum value of the product of A and B.

Sum: Tổng; Positive numbers: Số lớn hơn 0; Maximum value: Giá trị lớn nhất; Product: Tích.

130. How many 3-digit number(s) that can be divisible by 4 but cannot be divisible by 7 is / are there?

3-digit number: Số có 3 chữ số; Divisible: Chia hết.

131. If a 5-digit number 2015A is divisible by 7, find the value of A.

5-digit number: Số có 5 chữ số; Divisible: Chia hết.

132. Find the unit digit of 2015^{2015}.

Unit digit: Chữ số hàng đơn vị.

133. Counting from 1 to 999, how many numbers are divisible by 7 or 9?

Count: Đếm; Divisible: Chia hết.

134. Trees are planted on a 200m road. At most how many trees are needed to be planted to ensure that the distance between every two trees is at least 10m?

Distance: Khoảng cách; At least: Ít nhất.

135. What is the smallest integer that can be divisible by 3 different prime numbers?
Smallest integer: Số nguyên nhỏ nhất; Divisible: Chia hết; Prime numbers: Số nguyên tố.

136. If a 5-digit number $\overline{81A76}$ is divisible by 36, find the value of A.

5-digit number: Số có 5 chữ số; Divisible: Chia hết.

137. Find the unit digit of A if $A = \underbrace{3 \times 3 \times ... \times 3}_{100's} \times \underbrace{7 \times 7 \times ... \times 7}_{100's}$.

Unit digit: Chữ số hàng đơn vị.

138. The difference of A and B is 144. A is 7 times of B. Find the value of B.

Difference: Hiệu; 7 times: Gấp 7 lần.

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