

Peter asked again: “Is the number 9823?”

John said: “All the digits are correct. The positions of those digits are all wrong.”
What is the number written by John?

4-digit number: Số có 4 chữ số; Position of digits: Vị trí của chữ số.

130. There are 5 blue balls, 7 red balls and 6 green balls in a bag. At least how many balls should be picked up to ensure there are 3 balls of each color?

At least: Ít nhất.

131. There are 20 questions in the Mathematics examination. 4 marks are awarded for each correct answer, 2 marks are deducted for each incorrect answer and no marks will be deducted or awarded for unanswered answer. At most how many questions does Amy answer correctly if her score is 60?

Deducted: Bị trừ; At most: Nhiều nhất.

132. Given that 17th February 2015 is Tuesday, which day of the week will it be on 27th April 2015?

February: Tháng 2; Tuesday: Thứ ba; April: Tháng 4,

133. John wrote a 2-digit number on a piece of paper and asked Peter to guess it. Peter asked: “Is the number divisible by 12?”

John replied: “It is divisible by 12.”

Peter asked again: “Is it a square number?” John said: “Yes, it is a square number.”
What is the number written by John?

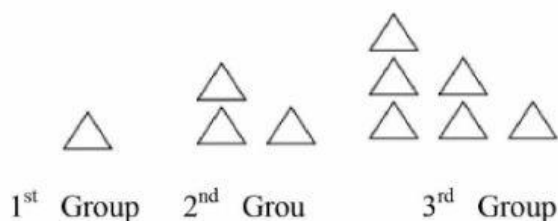
2-digit number: Số có hai chữ số; Divisible: Chia hết.

134. Peter cuts a circle into distinct parts by straight lines. At least how many straight lines are required to ensure he can get 8 parts?

*Circle: Đường tròn; Distinct parts: Các phần rời nhau; Straight lines: Đường thẳng;
At least: Ít nhất.*

135. According to the pattern shown below, how many triangles are there in the 15th group?

Pattern: Quy luật; Triangle: Tam giác.



136. There are 20 problems in a mathematics competition. The scores of each problem are allocated in the following ways: 5 marks will be given for a correct answer, 2 marks will be deducted for each incorrect or unanswered answer. How many questions does Amy answer correctly if her score is 79?

Deducted: Bị trừ.

137. Given that 9th August 2016 is Tuesday, which day of the week will be 19th October 2016?

August: Tháng 8; Tuesday: Thứ ba; October: Tháng 10.

138. Andy needs to cut a melon. At least how many cuts are required to ensure he can get 8 equal parts?

At least: Ít nhất; 8 equal parts: 8 phần bằng nhau.

139. John wrote a 3-digit number on a piece of paper and asked Peter to guess it. Peter asked again: "Is the number 321?".

John replied: "Two digits are correct, but the positions of those digits are both wrong."

Peter asked again: "Is the number 732?"

John said: "All three digits are correct, but the digits are all in the wrong places." What is the number written by John?

digit number: Số có 3 chữ số; Position of digits: Vị trí chữ số.

140. According to the pattern shown below, how many circles in total are there from the 1st group to 10th Group?

Pattern: quy luật; Circles: Hình tròn; In total: Tổng số.



1st Group



2nd Group



3rd Group

141. According to the pattern shown below, what is the number in the blank?

Pattern: Quy luật; Blank: Chỗ trống.

20, 15, 18, 18, 16, 21, _____

142. There are some chickens and rabbits, where the number of chickens is 28 more than the number of rabbits. If there are 320 legs in total, how many rabbits are there?

More than: Nhiều hơn; In total: Tổng số.

143. A clothing store had a box of shirts. One half and 2 more shirts were sold on the first day. Two thirds of the remaining part but 3 fewer shirts were sold on the second day and 9 shirts are left. How many shirt(s) did the clothing store have in the beginning?

One half: Một nửa; Two thirds: Hai phần ba; Remaining part: Phần còn lại.

144. Alice needs 60 days to finish a project. Peter needs 15 days to finish the same project. If Alice and Peter do the project together, how many day(s) do they need to finish it?

145. There are 10 blue balls, 18 red balls and 5 green balls in a bag. At least how many balls should be drawn at random to ensure there are balls of all colours?

At least: Ít nhất; Drawn at random: Được chọn ngẫu nhiên.

146. What is the value of the number to represent “?” in the following sequence?

Represent: Ứng với; Sequence: Dãy số.

1, 1, 1, 3, 5, 9, 17, 31, 57, ? ...

147. Today is Friday 5th April. Which day of the week is 1st September in the same year?