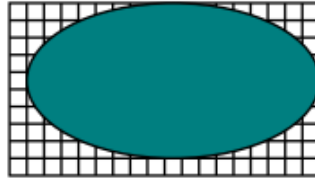


USING MULTIPLICATION IN SOLVING SOME MATHS CHALLENGE PROBLEMS

12.  $826 \times 243$  is more than  $824 \times 243$ . How much more?  
 (A) 2 (B) 243 (C) 824 (D) 486 (E) None of these  
 Nie een hiervan nie

14. A carpet is thrown over a tiled floor as shown below. How many tiles were used to tile the floor?  
 14. 'n Mat word oor 'n teëlvloer gegooi soos hieronder getoon. Hoeveel teëls is gebruik om die vloer te teël?



- (A) 28 (B) 190 (C) 90 (D) 200 (E) None of these  
 Nie een hiervan nie

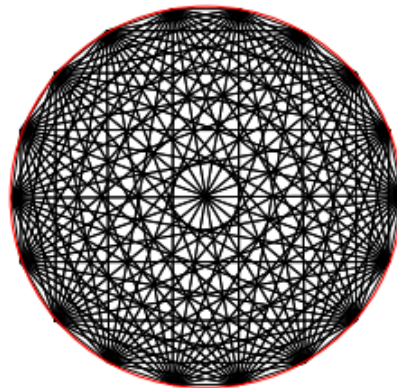
15. The 21<sup>st</sup> of a month is a Monday. On what day of the week was the 1<sup>st</sup> of that month?  
 15. Die 21<sup>ste</sup> van 'n maand is 'n Maandag. Op watter dag van die week was die 1<sup>ste</sup> van daardie maand?
- (A) Monday (B) Tuesday (C) Wednesday (D) Sunday (E) Friday  
 Maandag Dinsdag Woensdag Sondag Vrydag

23. If the pattern below is continued, how many squares will Pattern 100 have?  
 23. As die patroon hieronder voortgaan, hoeveel vierkantjies sal in *Patroon 100* wees?



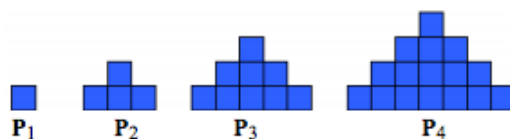
- (A) 301 (B) 302 (C) 300 (D) 298 (E) 299

25. In this figure there are 18 points on the circle, and every point is connected to every other point on the circle. How many connecting lines are there all together?  
 25. In die figuur is daar 18 punte op die sirkel, en elke punt is verbind met elke ander punt op die sirkel. Hoeveel konnekteerende lyne is daar altesaam?



- (A) 153 (B) 324 (C) 162 (D) 306 (E) 289

25. Siphon builds "pyramids" with blocks as shown in the sketch below. How many blocks does he need to build P<sub>50</sub>?  
 25. Siphon bou "piramides" met blokke soos in die skets getoon. Hoeveel blokke het hy nodig om P<sub>50</sub> te bou?



- (A) 2500 (B) 1275 (C) 2401 (D) 2550 (E) 2601