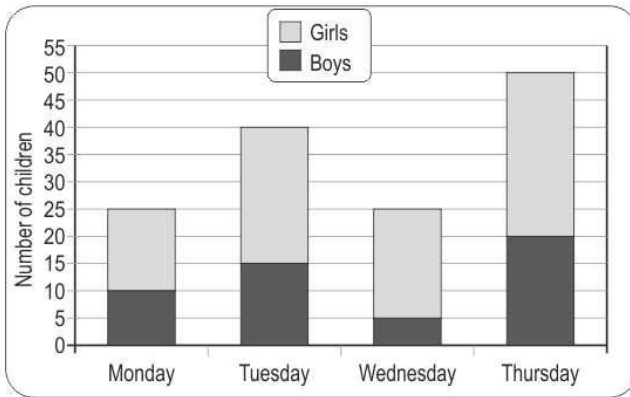


- 1  $p$  is a variable. Which of these values could  $3p$  possibly take?

(i) 9      (ii) 7      (iii) 2      (iv) 11.75

- A. only (i)  
 B. only (i) and (ii)  
 C. only (i), (ii) and (iii)  
 D. any - (i), (ii), (iii) or (iv)

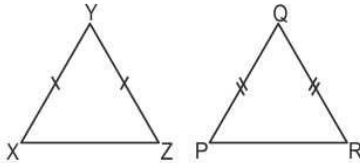
- 2 The graph below shows the number of boys and girls who visited a park on four days of a week.



On which two days is the percentage of girls in the park that day, the same?

- A. Monday and Tuesday  
 B. Monday and Thursday  
 C. Tuesday and Thursday  
 D. Tuesday and Wednesday

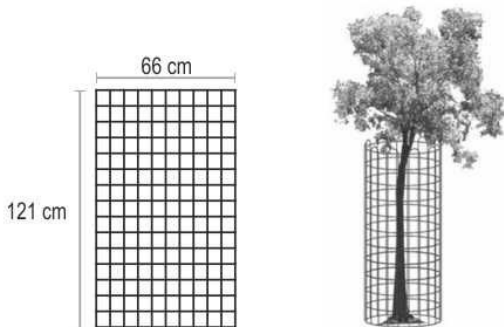
- 3 XYZ and PQR are two triangles such that  $XY = YZ$  and  $PQ = QR$ .



Which of these would help conclude that  $\triangle XYZ$  is congruent to  $\triangle PQR$ ?

- A.  $XY = XZ$  and  $PQ = PR$   
 B.  $XY = PQ$  and  $YZ = QR$   
 C.  $XY = PQ$  and  $\angle XYZ = \angle PQR$   
 D.  $\angle XZY = \angle PRQ$  and  $\angle XYZ = \angle PQR$

- 4 Shown below is a circle with centre at O and a smaller circle which passes through O.



The radius of the larger circle is 15 cm and that of the smaller circle is 10 cm.

The area of Region 1 is  $150\pi$  sq cm.

What is the area of Region 2?

- A.  $25\pi$  sq cm  
 B.  $30\pi$  sq cm  
 C.  $50\pi$  sq cm  
 D.  $75\pi$  sq cm