

GRADE 7 - PAPER 2

1. Adeline and Bryan took part in a mathematics quiz. There were 30 questions altogether. 5 marks would be given to each correct answer. A penalty of 3 marks would be given to each wrong answer. The total score of Adeline and Bryan was 236. How many questions did Adeline answer correctly if she had answered 2 correct questions more than Bryan?

2. In a choir, the number of girls is twice the number of boys. The average height of the boys is 150 cm and the average height of the girls is 159 cm. What is the average height of all the choir members?

3. A car was travelling at a constant speed from town A to town B. If it travelled at 60 km/h, it would reach town B 4 hours later than scheduled. If it travelled at 70 km/h, it would reach town B 2 hours later than scheduled. How far was town B from town A?

4. Three circular arcs of radius 5 units bound the region shown. Arcs AB and AD are quarter circles, and arc BCD is a semicircle. What is the area in square units?

