

QUARTER FINALS 2

1. There are 4 more peacocks than rabbits on a farm. The total number of legs of peacocks and rabbits is equal to 44. How many peacocks and how many rabbits are there?

Ans: 10 Peacocks and 6 Rabbits

(SHORT WORK – 10 Sec)

2. A food truck sells a pack of salads for GH¢6.50 and a bottle of drink for GH¢2.00. If the revenue for selling a total of 205 packs of salads and bottles drinks on a particular day was GH¢815, how many bottles of drinks and how many packs of salads were sold on that day?

Ans: 115 drinks and 90 packs of salads

(LONG WORK – 30 Sec)

3. Mr. Oppong runs 4.7 kilometers everyday from Mondays to Fridays. He also runs 12.4 kilometers each on Saturdays and Sundays. How many kilometers did Mr. Oppong run in February 2020 if 1st February 2020 was a Saturday?

Ans: 205.6 kilometres

(LONG WORK – 30 Sec)

4. The distance from Maxi to Malta is three-fourth of the distance from Malta to Hallsdown. The shortest distance between Maxi and Hallsdown is 10km. If Malta happens to be the perpendicular intersection between Maxi and Hallsdown, what is the distance from Malta to Hallsdown?

ANS : 8km

(SHORT WORK – 10 Sec)

5. Mildred read a book in 40 days. She read 18 pages every day for the first 15 days, 12 pages every day for the next 18 days and 7 pages every day for the last 7 days. What is the average page read by Mildred in the 40 days?

Ans: 13.375

(LONG WORK – 30 Sec)

6. Afia is traveling from Accra to Obuasi which is a 176km journey. At what average speed in km/h is she supposed to drive if she left Accra at 10:22am and expects to get to Obuasi at 2:52pm?

Ans: 39.11km/h or 39.1km/h or 39km/h

(LONG WORK – 30 Sec)

7. Two classes were given a math test. The first class had 25 students and their mean score was 86%. The second class had 15 students and their mean score was 94%. If the teacher combined the test scores of both classes, what was the mean of both classes together?

Ans: 89%

(LONG WORK – 30 Sec)

8. Peter is twice as tall as Sarah and two-thirds as tall as Millicent. Kwaku's height is one and half the height of Peter and three-fourth the height of Sandra. Which two people of them have the same height?

Ans : Kwaku and Millicent

(SHORT WORK – 10 Sec)

9. The mean and mode of the scores 3, x , 7, y and 12 are 7. The scores are arranged in increasing order and if a score of 1 is added to the list, the median will be 6.5. What are the values of x and y ? **Ans: $x = 6$ and $y = 7$**

(LONG WORK – 30 Sec)

- 10.** Two different schools (A and B) have the same number of pupils. The ratio of the number boys in school A to the number of boys in school B is 2:1, and the ratio of the number of girls in school A to the number of girls in school B is 4:5. Find the ratio of the number boys to girls in school A.

Ans: 1: 2

(SHORT WORK – 10 Sec)

X – FACTOR

(3 MINUTES)

Mr. Coleman did a renovation work in his house. As part of the renovation, he tiled the floor of his entire sitting room. The dimensions of the floor of his sitting room is 8m by 5.4 m. Find the total number of boxes of tiles Mr. Coleman bought and the cost involved, if a box contains:

- A.** 4 rectangular tiles each of dimension 60cm by 90cm and the price of each box GHC64.50
- B.** 6 rectangular tiles each of dimension 40cm by 120cm and the price of each box GHC72.80