

NEW AL WUROOD INTERNATIONAL SCHOOL, JEDDAH, K.S.A

Affiliated to CBSE – New Delhi, Affiliation No. 5730008



FIRST TERM EXAMINATION/EVALUATION 1-June 2022-23

WORKSHEET-2

GRADE: 7

SUBJECT: Mathematics

Block 14 – Ratio and Unitary Method.

14. 15: z and 10:30 are equivalent, find the value of y.
15. Find the four equivalent ratios for 4:5
16. Evaluate 30 % of 250.
17. Find the value of 'x' if 12% of 'x' is Rs. 90.
18. The annual salary of a person in 1994 was Rs.1200. It increased by 20% in 1995 and by 100% in 1996. What was his final salary in 1996?
19. Find a) $12\frac{1}{2}\%$ of 144 kg of rice b) $33\frac{1}{3}\%$ of 66 houses.
20. 40% of the population of a town is men, 35% are woman and the remaining are children. If the number of the children are 28000 what's the total population of the town?
21. Mr. Grover stayed in a hotel room for two days. The room rent was Rs. 3500 per day. He had to pay a luxury tax at 7% on the room rent. How much did he pay in all for two days stay?
22. An alloy consists of 30% copper, 40% zinc, and remaining in nickel. Find the amount of nickel in 20 Kg of the alloy?
23. Ridhima walks 120 miles in 4 hours, while her sister walks 90 miles in 3 hours. Who will cover more distance in 5 hours and by how much?
24. Rohit covers half the distance he needs to go 50 km/hr and rest at 40 km/hr. What is his average speed?
25. Weight of Sonia and Rashi is 2:3 ratio, If Sonia's weight is 40kg, how can we find Rashi's weight.

Block 15 – Percentage.

26. Convert each into percentage:
a) $\frac{1}{5}$ b) $\frac{16}{25}$ c) 7:12 d) 0.0012
27. In order to make Barfi, 4 Kg of Khoya and 1 Kg of sugar is used. What percentage of Khoya and Sugar are present in Barfi?

28. Out of 40 students in a class, 16 are girls. What is the percentage of girls?
29. Find 30% of 240.
30. Find 10% of 250km
31. In a class, ratio of girls to boys is 2:3. What is the percentage of girls?
32. Find percentage represented by each part of ratio:
 - a) 31:9
 - b) 5: 7: 8
33. Atul gave 35% of his salary to his son, 40% to his wife and remaining Rs. 15000 to his daughter. Find the amount of money he had?
34. Arun bought a car for Rs. 3,50,000. After one year, the price went upto Rs. 3,70,000. What was the percentage of price increase?
35. Jyoti obtained 70marks out of 80 in maths. Find the percentage of marks obtained by her in mathematics.
36. A farmer produced 600 potatoes last year and 500 potatoes this year. Find the percentage of price decrease.