

INTERNATIONAL INDIAN SCHOOL BURAIDAH
Worksheet for the Academic Year 2024-25
CLASS: 7 / SUBJECT: Maths
LESSON : 8 Comparing Quantities

1. Convert the following fractions into percentages.
a) $\frac{11}{20}$ b) $\frac{27}{40}$ (ans: 55%, $67\frac{1}{2}\%$)
 2. Convert following decimals into percentages.
a) 0.15 b) 0.01 (ans: 15% , 1%)
 3. Convert the following percentages into fractions in lowest form.
a) 72% b) 195% (ans: $\frac{18}{25}$, $\frac{39}{20}$)
 4. What is 15% of 20? (ans:3)
 5. Convert 3:7 to percentage. (ans:30%,70%)
 6. The strength of a school is 2000. If 40% of the students are girls then how many boys are there in the school?(ans: 1200)
 7. Suhana sells a sofa set for ₹ 9600 making a profit of 20%.What is the C.P. of the sofa set? (ans: ₹ 8000)
 8. If Meenakshree pays an interest of ₹ 1500 for 4 years on a sum of ₹ 2500, find the rate of interest per annum. (ans: 15%)
 9. If the ratio of the number of boys and girls in a class is 3:2, what is the percentage of girls in the class? (ans: 40 %)
 10. If the ratio of the number of boys and girls in a class is 6:4, what is the percentage of boys in the class? (ans: 60%)
 11. A shopkeeper bought 100 pencils for Rs. 250 and sold them for Rs. 300. What is the profit percentage?(ans: 20%)
 12. A shopkeeper bought 200 notebooks for Rs. 1,400 and sold them for Rs. 700. What is the loss percentage? (ans: 50%)
 13. A shopkeeper sells two radios at Rs. 1,500 each. If he makes a profit of 10% on one radio and a loss of 10% on the other, what is the overall profit or loss? (ans: no profit or loss)
 14. A person borrowed Rs. 5,000 for 2 years at a simple interest rate of 5%. What is the amount of interest he has to pay? (ans: 500 rupees)
 15. A person borrowed Rs. 7,500 for 3 years at a simple interest rate of 6%. What is the amount of interest he has to pay?(ans: 1350 rupees)
 16. A person borrowed Rs. 15,000 for 4 years at a simple interest rate of 6%. What is the amount of interest he has to pay?(ans: 3600 rupees)
 17. If the price of a shirt increases by 15%, what is the new price of a shirt that originally cost Rs. 500?(hint: 15% of 500 , ans: 575 rupees)
 18. If the salary of a person increases by 20%, what is the new salary if his original salary was Rs. 10,000?(12000 rupees)
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