

HOTS QUESTION
CH- 12 (RATIO AND PROPORTION)

1. If $360:81::p:63$ find the value of p . Ans. $p=280$
2. If 20,40 and r are in proportion, find the value of r . Ans. $r=800$
3. The ratio of income to savings of a family is 13:5. Find the expenditure if the savings is 2000/-. Ans. 3200/-
4. Divide Rs. 5000 among P,Q,R and S in the ratio 2:3:5:10 and find the amount received by R. Ans.- 1250/-
5. 25 bags of wheat each weighing 25kg ,cost 25000/-. Find the cost of 50 bags of wheat each weighing 50kg. Ans- 100000/-
6. Derek earns 36000/- in 5 months,what is his income in 2 years? Ans=172800/-
7. 40 men can do a work in 80 days, how many men are needed to finish the work in 20 days? Ans-160
8. In an army camp there were provisions for 500 men for 50 days,but 1000 men attended the camp, How long did the provisions last? Ans- 250
9. The angles of a triangle are in the ratio 5:7:6, find the value of the largest angle. Ans- 70 degree
10. A bus covers 320 km in 8 hours and train covers 240 km in 3 hours. Find the ratio of their speeds. Ans. 1:2