

Worksheet-2

- 1) Show that 22, 33, 42, 63 are in proportion.
2. Check wheather 25, 36, 5, 6 are in proportion or not?
3. If $2:18::5:3$ find x
4. If first 3 terms of proportion are 3, 5, 21, find fourth term.
5. Find 4th proportion of 3, 4, 6.
6. If $8:y::2:21$ find y .
7. If $6:x::2:13$ find x .
8. Check wheather 2a, 3b, 3ac, 9bc are in proportion or not?
9. If 14, 21, 42 are 1st, 2nd, 4th term of proportion then find the 3rd term.
10. If 8 apples cost ₹ 220, what do 20 apples cost?
11. A car travels 90 Km in 150 minutes. If it continues at the same speed, what distance it cover in 4 hour?
12. A tap takes 15 sec to fill a mug of water. The volume of the mug is 500 ml. How much time does the same tap take to fill a bucket of water having a 10 liter capacity?
13. The ratio of boys and girls in a school is 8:3. If the total number of girls be 375, find number of boys.

14. The ratio of copper and zinc in an alloy is $5:3$. If weight of copper in alloy is 30.5 gram find weight of zinc in the alloy.

15. If $3, x, 12$ are in continued proportion then find x .

16. If $25, 35, x$ are in continued proportion then find x .

17. Which should be added to each of the term at $6, 15, 20, 43$ so that they will be in proportion?

18. Which should be subtracted from each term of $23, 36, 57, 78$ so that they will be in proportion?

19. Find the mean proportion of $\frac{1}{12}$ and $\frac{1}{75}$.

20. Find the mean proportion of $pqr, \frac{pr}{q}$.