

Chapter – 12

Ratio and proportion

Worksheet – 2

1. Find the ratio of 80 cm to 4.8 m?
 - a. 1:6
 - b. 1:5
 - c. 1:8
 - d. 2:5
2. What is the ratio of 45 minutes to 3 hours?
 - a. 2:4
 - b. 3:8
 - c. 1:4
 - d. 2:6
3. In the three equivalent ratios given below find the value of x?
($\frac{3}{6} = \frac{9}{x} = \frac{27}{54}$)
 - a. 19
 - b. 18
 - c. 17
 - d. 16
4. If $30 : 40 :: 90 : x$, then what is the value of x?
 - a. 140
 - b. 120
 - c. 110
 - d. 100
5. Find the value of x in –
 $\frac{3}{6} = \frac{x}{54}$
 - a. 12
 - b. 20
 - c. 27
 - d. 30
6. Which of the following ratio is equivalent to $\frac{27}{81}$ and $\frac{7}{21}$?

- a. $\frac{16}{50}$
b. $\frac{17}{50}$
c. $\frac{16}{48}$
d. $\frac{18}{52}$
7. Three terms a, b and c are in proportion if –
a. $c:a = c:b$
b. $c:a = a:b$
c. $a:b = b:c$
d. $b:a = c:a$
8. Find the ratio of 50 paise to 3 rupees?
a. 1:5
b. 1:6
c. 2:3
d. 1:4
9. 240:1000 is equivalent ratio to ____
a. 6:12
b. 6:25
c. 12:25
d. 12:40
10. 10000 divided in the ratio of 4:6 is equal to _
a. 3000 and 7000
b. 5000 and 5000
c. 2000 and 8000
d. 4000 and 6000
11. Raju gives ₹4000 to person P and Q in the ratio 1:3 respectively, if person P got ₹1000, then how much money Person Q got from Raju?
12. Divide ₹300 between Anil and Sneha in the ratio of 1:4?
13. 15 men can complete a construction work in 40 days. In how many days, 20 men can complete the same construction work?
14. Two numbers are in the ratio 3:7 and their sum is 1000. Find the two numbers?
15. Compare whether ratio $\frac{40}{160}$ is bigger or smaller than $\frac{3}{6}$?
16. Divide ₹12000 among A, B, C in the ratio 1:3:5?

17. Divide ₹14000 among A, B, C in the ratio 2:5:7?
18. If 20, 40, x are in proportion, then find the value of x?
19. If 30, 90, y are in proportion, then find the value of y?
20. If $40:x::x:90$, then what is the value of x?

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