

Ratio and Proportion Revision Questions

1. A classroom has boys and girls in the ratio 3:2. If there are 15 boys, how many girls are there?
2. In a bag, the ratio of red to blue marbles is 4:3. If there are 28 marbles in total, how many red marbles are there?
3. A recipe requires ingredients in the ratio 2:5. If you have 10 parts of the second ingredient, how many parts of the first are needed?
4. The ratio of cats to dogs at an animal shelter is 7:9. If there are 63 cats, how many dogs are there?
5. In a car race, the ratio of laps completed by Car A to Car B is 8:7. If Car A completed 32 laps, how many laps did Car B complete?
6. In a bag of sweets, the ratio of chocolate to gummy sweets is 5:2. If there are 20 gummy sweets, how many chocolate sweets are there?
7. In a basket, the ratio of apples to oranges is 3:4. If there are 35 pieces of fruit in total, how many apples are there?
8. In a mixture of water and juice, the ratio is 6:1. If there are 21 parts in total, how many parts are water?
9. In a school choir, the ratio of boys to girls is 4:5. If there are 36 members in total, how many boys are in the choir?
10. A painting uses a ratio of blue to yellow paint of 2:3. If 12 parts of yellow paint are used, how many parts of blue paint are needed?

11. Divide 108 into two parts in the ratio 5:4.
12. Hetta, Ruby, and Eva share 250 sweets in the ratio 5:3:2. How many sweets does Ruby receive?
13. A classroom has boys and girls in the ratio 3:2. If there are 25 students in total, how many boys are there?
14. In a bag, the ratio of red to blue marbles is 4:3. If there are 35 marbles altogether, how many of them are red?
15. Divide 144 into two numbers in the ratio 3:5.
16. A recipe calls for ingredients in the ratio 2:7. If you have 28 parts of the second ingredient, how many parts of the first ingredient are needed?
17. The ratio of cats to dogs at a shelter is 7:9. If there are 112 animals in total, how many are dogs?
18. A teacher divides 120 pencils between two classes in the ratio 3:2. How many pencils does the class with the larger share receive?
19. The ratio of the ages of two siblings is 4:5. If the sum of their ages is 81 years, what is the age of the younger sibling?
20. A car uses a fuel mixture in the ratio 1:4 of petrol to diesel. If the total fuel is 50 litres, how many litres of petrol are used?

1. 10 girls
2. 16 red marbles
3. 4 parts
4. 81 dogs
5. 28 laps
6. 50 chocolate sweets
7. 15 apples
8. 18 parts water
9. 16 boys
10. 8 parts blue
11. 60 and 48
12. 75 sweets
13. 15 boys
14. 20 red marbles
15. 54 and 90
16. 8 parts
17. 63 dogs
18. 72 pencils
19. 36 years
20. 10 litres