

## Ratio

- Given  $a:b=3:4$ , find value of  $(a-b):(a+b)$
- Given  $a:b=\frac{1}{2}:\frac{2}{3}$ ,  $c:b=0.2:0.5$ , find  $a:b:c$
- If  $7(5x-y)=5(2x+3y)$ , find  $x:y$
- Simplify  $1\frac{2}{3}:1\frac{1}{4}$
- Given  $P:Q=3:4$ ,  $Q:R=6:5$ , find  $P:R$
- Given  $a:b=5:6$ ,  $b:c=9:8$ , find  $a:c$
- Given  $a:b=\frac{1}{2}:\frac{1}{3}$ ,  $b:c=\frac{1}{4}:\frac{1}{5}$ , find  $a:b:c$
- If RM 234 are divided to three portions  $\frac{1}{2}:\frac{1}{3}:\frac{1}{4}$ , find the difference between the most and the least
- Given  $3a=2b$ ,  $b:c=5:2$ , find  $a:c$
- Find the ratio of 15m/s and 12km/h
- Given  $3(x+y)=4(3x-2y)$ , find  $x:y$
- Given  $a:b=2:3$ ,  $b:c=4:5$ , find  $2a:3b:4c$
- Given  $a:b=7:3$ ,  $a-b=8$ , find  $a+b$
- Given  $a:b=2:9$ ,  $b:c=12:7$ , find  $a:b:c$
- Simplify  $1\frac{1}{4}:1\frac{2}{3}$
- Given  $A:B=3:2$ ,  $B:C=4:3$ , find  $A:B:C$
- Simplify  $3\frac{1}{3}:1\frac{3}{7}$
- Given  $A:B=3:4$ ,  $B:C=7:9$ , find  $A:B:C$
- If  $\frac{a}{b}=\frac{3}{5}$ , find  $\frac{a+3b}{3a-b}$
- Given  $x:y:z=1:\frac{3}{2}:\frac{5}{2}$ , find  $\frac{x}{y}:\frac{y}{z}$
- Given  $a:b=7:8$ ,  $b:c=3:1$ , find  $a:b:c$
- Given  $\frac{4x-3y}{2}=\frac{x+4y}{3}$ , if  $y\neq 0$ , find  $x:y$
- Given  $\frac{3}{3x-2y}=\frac{4}{x+y}$ , find  $x:y$
- The ratio of train A and B is 4:5, if speed of train A is  $20\text{ms}^{-1}$ , find the speed of train B
- Given  $(a+b):(a-b)=4:1$  and HCF of a and b is 65, find a
- The ratio of a map is 1:25000 per meter. Find the length of real route for 3cm from the map in km.
- In a bottle factory, in producing 100 pieces will have 20 defects, if a factory accepts an order for 8000 bottles, how many pieces they should produce?
- In a project, 30 workers are required to complete the job by 15 days, how many days are needed to complete the job for 10 workers?
- There are some food, estimate 5 person can finish in 36 days, if 4 person joined in, how many days can finish the food?
- In a project, 120 workers are needed to complete the job by 80 days, if the company wish to complete the work 30 days earlier, how many workers they need?
- Given  $AB:BC=4:3$ , if length of  $AB=28\text{cm}$ , find length of  $AC$
- If RM 93 are divided to three portions 15:10:6, find the least portion
- If 3424 are divided to three portions  $2\frac{1}{2}:\frac{2}{5}:\frac{2}{3}$ , find the last portion
- There are cash RM 380 dividing to P, Q and R three person with ratio  $\frac{1}{3}:\frac{3}{4}:\frac{1}{2}$ , find how much can R gets.
- Given  $a:b:c=5:2:3$ , where  $a+b+c=300$ , find  $(a+1):(b+1):(c+1)=$
- A rope with 126km are cut into three portions with ratio 1:2:3, find the longest length it cuts.