



1. A ratio is equal to 21 : 13. If its antecedent is 945, what is its consequent?
(i) 584 (ii) 583 (iii) 586 (iv) 587 (v) 585
2. Which of the following does not represent a proportion ?
(i) 21:18::42:36 (ii) 12:8::60:40 (iii) 12:10::36:30 (iv) 5:4::10:12 (v) 12:9::48:36
3. Divide 3135 in the ratio 18 : 15
(i) 1710 , 1422 (ii) 1711 , 1425 (iii) 1710 , 1425 (iv) 1709 , 1425 (v) 1710 , 1428
4. Divide 3053 in the ratio 19 : 4 : 20
(i) 1349 , 287 , 1420 (ii) 1349 , 284 , 1420 (iii) 1348 , 284 , 1420 (iv) 1349 , 281 , 1420
(v) 1350 , 284 , 1420
5. Find the missing value in the equation $12:3=16: \underline{\hspace{1cm}}$
(i) 4 (ii) 3 (iii) 2 (iv) 7 (v) 5
6. A box contains 231 stationary items of 2 types. The pens and pencils are in the ratio 1 : 6. The number of pens in the box =
(i) 31 (ii) 34 (iii) 32 (iv) 33 (v) 35
7. Find the product of extremes of $\frac{13}{8} : \frac{7}{10}$ and $\frac{5}{8} : \frac{20}{17}$
(i) $\frac{67}{34}$ (ii) $\frac{65}{32}$ (iii) $\frac{7}{16}$ (iv) $\frac{65}{34}$ (v) $\frac{63}{34}$
8. An office contains 544 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 5 : 6 : 1 : 5. The number of team leaders in the office =
(i) 191 (ii) 193 (iii) 190 (iv) 195 (v) 192
9. Find the ratio between 9 m and 6 km
(i) 3:2003 (ii) 2:2000 (iii) 3:2000 (iv) 3:1997
10. Find the product of extremes of 9:1 and 15:14
(i) 126 (ii) 125 (iii) 123 (iv) 15 (v) 128
11. An office contains 1029 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 6 : 7 : 6 : 2. The number of managers in the office =
(i) 295 (ii) 297 (iii) 293 (iv) 292 (v) 294

12. Divide ₹26400 among A,B,C so that A shall receive $\frac{7}{4}$ of what B and C together receive and B may receive $\frac{3}{8}$ of what A and C receive
- (i) ₹16800.00:₹7200.00:₹7200.00 (ii) ₹16800.00:₹7200.00:₹2400.00
- (iii) ₹7200.00:₹2400.00:₹16800.00 (iv) ₹2400.00:₹16800.00:₹7200.00
- (v) ₹16800.00:₹2400.00:₹7200.00
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13. Find the ratio between 5 l and 5 kl
- (i) 0:1000 (ii) 1:1002 (iii) 1:1000 (iv) 1:997
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14. Which of the following represents a proportion ?
- (i) 44:30::132:60 (ii) 42:28::168:112 (iii) 41:27::123:108 (iv) 40:26::160:78 (v) 43:29::86:87
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15. Find the ratio between 38 min and 19 hr
- (i) 1:30 (ii) 1:28 (iii) 1:32 (iv) 0:30
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16. An office contains 689 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 1 : 2 : 7 : 3. The number of developers in the office =
- (i) 368 (ii) 370 (iii) 371 (iv) 372 (v) 374
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17. Which of the ratios is proportional to 8 : 2?
- (i) 11:3 (ii) 12:3 (iii) 13:3 (iv) 12:0 (v) 12:6
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18. The ratio equivalent of the fraction $\frac{9}{8}$ =
- (i) 9:11 (ii) 8:9 (iii) 9:5 (iv) 9:8 (v) 8:8
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19. A ratio is equal to 2 : 5. If its consequent is 5250, what is its antecedent?
- (i) 2097 (ii) 2099 (iii) 2102 (iv) 2101 (v) 2100
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20. If 20:16::x:24, find 'x'
- (i) 29 (ii) 27 (iii) 33 (iv) 30 (v) 31
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21. Find the ratio between 7 months and 6 years
- (i) 7:72 (ii) 6:72 (iii) 7:74 (iv) 7:69
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22. Find the ratio between 5 hr and 16 days
- (i) 5:386 (ii) 5:384 (iii) 5:381 (iv) 4:384
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23. Find the ratio between 7 months and 6 years 5 months
- (i) 1:14 (ii) 1:11 (iii) 1:8 (iv) 0:11
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24. The consequent in the ratio 6:9 =
- (i) 4 (ii) 11 (iii) 8 (iv) 6 (v) 9

25. The antecedent in the ratio $\frac{17}{3} : \frac{12}{19} =$

- (i) 17 (ii) $\frac{10}{19}$ (iii) $\frac{17}{3}$ (iv) $\frac{12}{19}$ (v) $\frac{19}{3}$

Assignment Key

1) (v)	2) (iv)	3) (iii)	4) (ii)	5) (i)	6) (iv)
7) (iv)	8) (v)	9) (iii)	10) (i)	11) (v)	12) (ii)
13) (iii)	14) (ii)	15) (i)	16) (iii)	17) (ii)	18) (iv)
19) (v)	20) (iv)	21) (i)	22) (ii)	23) (ii)	24) (v)
25) (iii)					