A bag contains ₹1251 in the form of five-rupee, two-rupee and one-rupee coins in the ratio $18: 17: 15$. Find the number of coins of each type
(i) $161,153,140$
(ii) $164,148,135$
(iii) 163,158 , 130
(iv) $162,153,135$
(v) $160,158,135$
2. The sides of a triangle are in the ratio $\frac{1}{7}: \frac{1}{4}: \frac{1}{6}$ and its perimeter is 940 cm .

Find the lengths of the sides of the triangle
(i) $235 \mathrm{~cm}: 425 \mathrm{~cm}: 280 \mathrm{~cm}$
(ii) $245 \mathrm{~cm}: 415 \mathrm{~cm}: 280 \mathrm{~cm}$
(iii) $240 \mathrm{~cm}: 420 \mathrm{~cm}: 280 \mathrm{~cm}$
(iv) $235 \mathrm{~cm}: 420 \mathrm{~cm}: 285 \mathrm{~cm}$
(v) $245 \mathrm{~cm}: 420 \mathrm{~cm}: 275 \mathrm{~cm}$

An office contains 176 employees of 4 types. The managers, team leaders, developers and testers are in the ratio $4: 3: 2: 7$. The number of managers in the office $=$
(i) 45
(ii) 43
(iii) 47
(iv) 44
(v) 42
4. An office contains 68 managers, 238 team leaders, 204 developers and 68 testers. The ratio of all employees in the office $=$
(i) $1: 7: 6: 2$
(ii) $2: 10: 6: 2$
(iii) $2: 5: 6: 2$
(iv) $2: 7: 6: 2$
(v) $3: 7: 6: 2$

An office contains 175 managers, 35 team leaders, 70 developers and 140 testers. The ratio of managers and developers =
(i) $5: 2$
(ii) $6: 2$
(iii) $5: 5$
(iv) $5: 0$
(v) $4: 2$
6.

An office contains 51 managers, 85 team leaders, 68 developers and 85 testers. The ratio of managers and testers $=$
(i) $4: 5$
(ii) $3: 8$
(iii) $2: 5$
(iv) $3: 3$
(v) $3: 5$

An office contains 203 managers, 145 team leaders, 87 developers and 29 testers. The ratio of team leaders and developers =
(i) $6: 3$
(ii) $5: 6$
(iii) $5: 1$
(iv) $4: 3$
(v) $5: 3$
8.

An office contains 168 managers, 28 team leaders, 84 developers and 196 testers. The ratio of team leaders and testers $=$
(i) $1: 7$
(ii) $1: 4$
(iii) $1: 10$
(iv) $0: 7$
(v) $2: 7$

An office contains 24 managers, 168 team leaders, 144 developers and 72 testers. The ratio of developers and testers $=$
(i) $2:-1$
(ii) $1: 1$
(iii) $3: 1$
(iv) $2: 3$
(v) $2: 1$
10.

An office contains 60 managers, 80 team leaders, 140 developers and 120 testers. The ratio of managers to the total employees $=$
(i) $3: 20$
(ii) $2: 20$
(iii) $3: 18$
(iv) 3:23
(v) $4: 20$

An office contains 86 managers, 258 team leaders, 86 developers and 43 testers. The ratio of team leaders to the total employees $=$
(i) $6: 13$
(ii) $5: 11$
(iii) 7:11
(iv) $6: 9$
(v) 6:11

An office contains 483 managers, 138 team leaders, 483 developers and 414 testers. The ratio of developers to the total employees $=$
(i) $7: 22$
(ii) $7: 24$
(iii) $8: 22$
(iv) $7: 20$
(v) $6: 22$

An office contains 61 managers, 305 team leaders, 183 developers and 427 testers. The ratio of testers to the total employees $=$
(i) $7: 16$
(ii) $7: 13$
(iii) $6: 16$
(iv) 7:19
(v) $8: 16$
14. An office contains 816 employees of 4 types. There are 144 managers and 240 team leaders. The developers and testers are in the ratio $4: 5$. The number of developers in the office $=$
(i) 190
(ii) 191
(iii) 195
(iv) 192
(v) 193

An office contains 418 employees of 4 types. There are 133 managers and 95 team leaders. The developers and testers are in the ratio $7: 3$. The number of testers in the office $=$
(i) 60
(ii) 57
(iii) 56
(iv) 58
(v) 55
16.

A box contains 960 fruits of 3 types. The mangoes, apples, and oranges are in the ratio $7: 5: 3$. The number of mangoes in the box $=$
(i) 449
(ii) 450
(iii) 445 (iv) 448
(v) 447
17. A box contains 105 mangoes, 42 apples and 105 oranges. The ratio of all fruits in the box $=$
(i) $5: 0: 5$
(ii) $4: 2: 5$
(iii) $6: 2: 5$
(iv) $5: 4: 5$
(v) $5: 2: 5$
18. A box contains 32 mangoes, 160 apples and 64 oranges. The ratio of mangoes and apples $=$
(i) $2: 5$
(ii) $1: 7$
(iii) $1: 2$
(iv) $0: 5$
(v) $1: 5$
19. A box contains 171 mangoes, 57 apples and 399 oranges. The ratio of mangoes and oranges $=$
(i) $3: 4$
(ii) $3: 10$
(iii) $3: 7$
(iv) $2: 7$
(v) $4: 7$
20. A box contains 114 mangoes, 342 apples and 171 oranges. The ratio of apples and oranges $=$
(i) $2: 3$
(ii) $3: 1$
(iii) $2: 1$
(iv) $1: 1$
(v) $2:-2$
21. A box contains 168 mangoes, 84 apples and 196 oranges. The ratio of mangoes to the total fruits $=$
(i) $3: 11$
(ii) $2: 8$
(iii) $4: 8$
(iv) $3: 6$
(v) $3: 8$
22. A box contains 16 mangoes, 80 apples and 16 oranges. The ratio of apples to the total fruits $=$
(i) $5: 10$
(ii) $4: 7$
(iii) $5: 7$
(iv) $6: 7$
(v) $5: 5$
23. A box contains 236 mangoes, 295 apples and 354 oranges. The ratio of oranges to the total fruits $=$
(i) $2: 2$
(ii) $3: 5$
(iii) $2: 8$
(iv) $1: 5$
(v) $2: 5$

A box contains 335 stationary items of 2 types. The pens and pencils are in the ratio $4: 1$. The number of pens in the box =
(i) 266
(ii) 268
(iii) 267
(iv) 269
(v) 270
25.

A box contains 512 stationary items of 2 types. The pens and pencils are in the ratio $5: 3$. The number of pencils in the box =
(i) 191
(ii) 192
(iii) 194
(iv) 193
(v) 189
26. A box contains 112 pens and 56 pencils. The ratio of all stationary items in the box $=$
(i) $5: 2$
(ii) 4:-1
(iii) $3: 2$ (iv) $4: 2$
(v) $4: 4$
27. A box contains 133 pens and 19 pencils. The ratio of pens to the total stationary items $=$
(i) $8: 8$ (ii) $7: 8$ (iii) $6: 8$ (iv) 7:6 (v) 7:10
28. A box contains 42 pens and 28 pencils. The ratio of pencils to the total stationary items $=$
(i) $2: 5$
(ii) $1: 5$
(iii) $3: 5$
(iv) $2: 2$
(v) $2: 7$

| 1) (iv) | 2) (iii) | 3) (iv) | 4) (iv) | 5) (i) | 6) (v) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 7) (v) | 8) (i) | 9) (v) | 10) (i) | 11) (v) | 12) (i) |
| 13) (i) | 14) (iv) | 15) (ii) | 16) (iv) | 17) (v) | 18) (v) |
| 19) (iii) | 20) (iii) | 21) (v) | 22) (iii) | 23) (v) | 24) (ii) |
| 25) (ii) | 26) (iv) | 27) (ii) | 28) (i) |  |  |

