

## **SSC GD Constable Exam: Computation of Whole Numbers**

### **MCQ**

#### **Instructions:**

- This practice set contains 100 multiple-choice questions (MCQs) on Computation of Whole Numbers, for SSC GD preparation.
- Each question carries 2 marks. There is a negative marking of 0.50 marks for each incorrect answer, as per the latest SSC GD exam pattern.
- Questions cover advanced applications of whole number operations, including multi-step calculations, factors, multiples, and problem-solving, aligned with the SSC GD Mathematics syllabus.
- Answers are provided with concise explanations for clarity.

#### **Section 1: Arithmetic Operations (Questions 1–40)**

1. A shopkeeper sold 345 pens on Monday and 278 pens on Tuesday. If each pen costs ₹12, what is the total revenue?

- A) ₹7,476
- B) ₹7,476
- C) ₹7,586
- D) ₹7,696

Answer: A

Explanation: Total pens sold:  $345 + 278 = 623$ . Revenue:  $623 \times 12 = 7,476$  ( $623 \times 10 = 6,230 + 623 \times 2 = 1,246$ ;  $6,230 + 1,246 = 7,476$ ).

2. A factory produces 789 units in one day and uses 456 units. How many units remain, and what is their value if each unit costs ₹25?

- A) 8,425
- B) 8,325
- C) 8,525
- D) 8,625

Answer: B

Explanation: Remaining units:  $789 - 456 = 333$ . Value:  $333 \times 25 = 8,325$  ( $333 \times 20 = 6,660 + 333 \times 5 = 1,665$ ;  $6,660 + 1,665 = 8,325$ ).

3. A number when multiplied by 15 gives 345. What is the number?

- A) 22
- B) 23
- C) 24
- D) 25

Answer: B

Explanation: Divide:  $345 \div 15 = 23$  ( $345 \div 15 = 20 + 3 = 23$ ). Check:  $23 \times 15 = 345$ .

4. A warehouse has 728 items, packed equally into 4 boxes. How many items are in each box?

- A) 182
- B) 181
- C) 183
- D) 184

Answer: A

Explanation: Divide:  $728 \div 4 = 182$  ( $728 \div 4 = 182$ , no remainder). Check:  $182 \times 4 = 728$ .

5. A school buys 456 books and 789 notebooks. If each item costs ₹15, what is the total cost?

- A) 18,675
- B) 18,765
- C) 18,855
- D) 18,945

Answer: A

Explanation: Total items:  $456 + 789 = 1,245$ . Cost:  $1,245 \times 15 = 18,675$  ( $1,245 \times 10 = 12,450 + 1,245 \times 5 = 6,225$ ;  $12,450 + 6,225 = 18,675$ ).

6. A budget of ₹1,000 is reduced by ₹565. If the remaining amount is divided equally among 3 people, how much does each get?

- A) 141
- B) 143
- C) 145

D) 147

Answer: C

Explanation: Remaining amount:  $1,000 - 565 = 435$ . Per person:  $435 \div 3 = 145$

7. A machine produces 19 items every 12 minutes. How many items are produced in 48 minutes?

A) 76

B) 78

C) 80

D) 82

Answer: A

Explanation: Items per minute:  $19 \div 12$ . In 48 minutes:  $(19 \times 48) \div 12 = 19 \times 4 = 76$ .

8. A total of 540 candies are distributed equally among 5 children. How many candies does each child get?

A) 106

B) 107

C) 108

D) 109

Answer: C

Explanation: Divide:  $540 \div 5 = 108$ . Check:  $108 \times 5 = 540$ .

9. A store earns ₹234 on day 1, ₹567 on day 2, and ₹89 on day 3. If the store spends ₹200 daily, what is the net profit over 3 days?

A) 490

B) 500

C) 510

D) 520

Answer: A

Explanation: Total earnings:  $234 + 567 + 89 = 890$ . Total expenses:  $200 \times 3 = 600$ . Net profit:  $890 - 600 = 290$ .

10. A number when subtracted from 876 gives 349. What is the number?

A) 527

B) 517

C) 537

D) 547

Answer: A

Explanation: Let the number be  $x$ . Then,  $876 - x = 349$ , so  $x = 876 - 349 = 527$ . Check:  $876 - 527 = 349$ .

11. A shop sells 36 items daily for 14 days. If each item costs ₹25, what is the total revenue?

A) 12,600

B) 12,700

C) 12,800

D) 12,900

Answer: A

Explanation: Total items:  $36 \times 14 = 504$ . Revenue:  $504 \times 25 = 12,600$  ( $504 \times 20 = 10,080 + 504 \times 5 = 2,520$ ;  $10,080 + 2,520 = 12,600$ ).

12. A car travels 672 km in 4 days, covering an equal distance daily. How far does it travel in 3 days?

A) 504

B) 506

C) 508

D) 510

Answer: A

Explanation: Daily distance:  $672 \div 4 = 168$  km. In 3 days:  $168 \times 3 = 504$  km.

13. A number when multiplied by 9 gives 243. What is the number?

A) 26

B) 27

C) 28

D) 29

Answer: B

Explanation: Divide:  $243 \div 9 = 27$ . Check:  $27 \times 9 = 243$ .

14. A total of 896 books are divided equally among 7 shelves. How many books are on each shelf?

A) 127

B) 128

C) 129

D) 130

Answer: B

Explanation: Divide:  $896 \div 7 = 128$  ( $896 \div 7 = 128$ , no remainder).

Check:  $128 \times 7 = 896$ .

15. A worker earns ₹345 daily for 5 days and ₹278 daily for 3 days. What is the total earnings?

A) 2,559

B) 2,569

C) 2,579

D) 2,589

Answer: A

Explanation: Earnings for 5 days:  $345 \times 5 = 1,725$ . Earnings for 3 days:  $278 \times 3 = 834$ . Total:  $1,725 + 834 = 2,559$ .

16. A sum of ₹1,200 is reduced by ₹789. If the remaining amount is split equally among 3 people, how much does each get?

A) 137

B) 139

C) 141

D) 143

Answer: A

Explanation: Remaining amount:  $1,200 - 789 = 411$ . Per person:  $411 \div 3 = 137$

17. A machine packs 25 boxes every 8 minutes. How many boxes are packed in 40 minutes?

A) 125

B) 130

C) 135

D) 140

Answer: A

Explanation: Boxes per minute:  $25 \div 8$ . In 40 minutes:  $(25 \times 40) \div 8 = 25 \times 5 = 125$ .

18. A total of 625 items are packed equally into 5 cartons. How many items are in each carton?

A) 123

B) 124

C) 125

D) 126

Answer: C

Explanation: Divide:  $625 \div 5 = 125$ . Check:  $125 \times 5 = 625$ .

19. A shop earns ₹456 on day 1 and ₹789 on day 2. If it spends ₹300 daily, what is the net profit over 2 days?

A) 945

B) 955

C) 965

D) 975

Answer: A

Explanation: Total earnings:  $456 + 789 = 1,245$ . Total expenses:  $300 \times 2 = 600$ . Net profit:  $1,245 - 600 = 645$ .

20. A number when subtracted from 1,000 gives 567. What is the number?

A) 423

B) 433

C) 443

D) 453

Answer: B

Explanation: Let the number be  $x$ . Then,  $1,000 - x = 567$ , so  $x = 1,000 - 567 = 433$ . Check:  $1,000 - 433 = 567$ .

21. A factory produces 48 items daily for 15 days. If each item is sold for ₹20, what is the total revenue?

- A) 14,400
- B) 14,500
- C) 14,600
- D) 14,700

Answer: A

Explanation: Total items:  $48 \times 15 = 720$ . Revenue:  $720 \times 20 = 14,400$ .

22. A train covers 840 km in 5 days, traveling equal distances daily. How far does it travel in 2 days?

- A) 336
- B) 338
- C) 340
- D) 342

Answer: A

Explanation: Daily distance:  $840 \div 5 = 168$  km. In 2 days:  $168 \times 2 = 336$  km.

23. A number when multiplied by 12 gives 288. What is the number?

- A) 22
- B) 23
- C) 24
- D) 25

Answer: C

Explanation: Divide:  $288 \div 12 = 24$ . Check:  $24 \times 12 = 288$ .

24. A total of 1,008 items are divided equally among 9 boxes. How many items are in each box?

- A) 111
- B) 112
- C) 113
- D) 114

Answer: B

Explanation: Divide:  $1,008 \div 9 = 112$  ( $1,008 \div 9 = 112$ , no remainder).  
Check:  $112 \times 9 = 1,008$ .

25. A worker earns ₹234 daily for 4 days and ₹567 daily for 2 days. What is the total earnings?

- A) 2,070
- B) 2,080
- C) 2,090
- D) 2,100

Answer: A

Explanation: Earnings for 4 days:  $234 \times 4 = 936$ . Earnings for 2 days:  $567 \times 2 = 1,134$ . Total:  $936 + 1,134 = 2,070$ .

26. A budget of ₹1,500 is reduced by ₹876. If the remaining amount is split equally among 4 people, how much does each get?

- A) 156
- B) 157
- C) 158
- D) 159

Answer: A

Explanation: Remaining amount:  $1,500 - 876 = 624$ . Per person:  $624 \div 4 = 156$ .

27. A machine produces 32 items every 10 minutes. How many items are produced in 50 minutes?

- A) 160
- B) 162
- C) 164
- D) 166

Answer: A

Explanation: Items per minute:  $32 \div 10 = 3.2$ . In 50 minutes:  $3.2 \times 50 = 160$ . Alternatively,  $(32 \times 50) \div 10 = 160$ .

28. A total of 720 chocolates are distributed equally among 6 children. How many chocolates does each child get?



A) 118

B) 119

C) 120

D) 121

Answer: C

Explanation: Divide:  $720 \div 6 = 120$ . Check:  $120 \times 6 = 720$ .

29. A store earns ₹345 on day 1, ₹678 on day 2, and ₹123 on day 3. If it spends ₹250 daily, what is the net profit over 3 days?

A) 396

B) 406

C) 416

D) 426

Answer: A

Explanation: Total earnings:  $345 + 678 + 123 = 1,146$ . Total expenses:  $250 \times 3 = 750$ . Net profit:  $1,146 - 750 = 396$ .

30. A number when subtracted from 789 gives 456. What is the number?

A) 333

B) 343

C) 353

D) 363

Answer: A

Explanation: Let the number be  $x$ . Then,  $789 - x = 456$ , so  $x = 789 - 456 = 333$ . Check:  $789 - 333 = 456$ .

31. A factory produces 42 items daily for 12 days. If each item is sold for ₹30, what is the total revenue?

A) 15,120

B) 15,220

C) 15,320

D) 15,420

Answer: A

Explanation: Total items:  $42 \times 12 = 504$ . Revenue:  $504 \times 30 = 15,120$ .

32. A car travels 960 km in 6 days, covering an equal distance daily. How far does it travel in 4 days?

- A) 644
- B) 642
- C) 640
- D) 646

Answer: C

Explanation: Daily distance:  $960 \div 6 = 160$  km. In 4 days:  $160 \times 4 = 640$  km.

33. A number when multiplied by 8 gives 184. What is the number?

- A) 22
- B) 23
- C) 24
- D) 25

Answer: B

Explanation: Divide:  $184 \div 8 = 23$ . Check:  $23 \times 8 = 184$ .

34. A total of 756 books are divided equally among 7 shelves. How many books are on each shelf?

- A) 107
- B) 108
- C) 109
- D) 110

Answer: B

Explanation: Divide:  $756 \div 7 = 108$  ( $756 \div 7 = 108$ , no remainder).  
Check:  $108 \times 7 = 756$ .

35. A worker earns ₹456 daily for 3 days and ₹789 daily for 2 days. What is the total earnings?

- A) 2,946
- B) 2,956
- C) 2,966
- D) 2,976

Answer: A

Explanation: Earnings for 3 days:  $456 \times 3 = 1,368$ . Earnings for 2 days:  $789 \times 2 = 1,578$ . Total:  $1,368 + 1,578 = 2,946$ .

36. A budget of ₹2,000 is reduced by ₹1,234. If the remaining amount is split equally among 2 people, how much does each get?

- A) 383
- B) 384
- C) 385
- D) 386

Answer: A

Explanation: Remaining amount:  $2,000 - 1,234 = 766$ . Per person:  $766 \div 2 = 383$ .

37. A machine packs 18 boxes every 6 minutes. How many boxes are packed in 36 minutes?

- A) 108
- B) 110
- C) 112
- D) 114

Answer: A

Explanation: Boxes per minute:  $18 \div 6 = 3$ . In 36 minutes:  $3 \times 36 = 108$ .

38. A total of 864 items are packed equally into 8 cartons. How many items are in each carton?

- A) 106
- B) 107
- C) 108
- D) 109

Answer: C

Explanation: Divide:  $864 \div 8 = 108$ . Check:  $108 \times 8 = 864$ .

39. A store earns ₹567 on day 1 and ₹890 on day 2. If it spends ₹400 daily, what is the net profit over 2 days?

- A) 657
- B) 667

C) 677

D) 687

Answer: A

Explanation: Total earnings:  $567 + 890 = 1,457$ . Total expenses:  $400 \times 2 = 800$ . Net profit:  $1,457 - 800 = 657$ .

40. A number when subtracted from 1,234 gives 789. What is the number?

A) 445

B) 455

C) 465

D) 475

Answer: A

Explanation: Let the number be  $x$ . Then,  $1,234 - x = 789$ , so  $x = 1,234 - 789 = 445$ . Check:  $1,234 - 445 = 789$ .

## **Section 2: Factors and Multiples (Questions 41–70)**

41. What is the greatest common factor (GCF) of 24 and 36?

A) 6

B) 12

C) 18

D) 24

Answer: B

Explanation: Factors of 24: 1, 2, 3, 4, 6, 8, 12, 24; factors of 36: 1, 2, 3, 4, 6, 9, 12, 18, 36. The GCF is 12.

42. What is the least common multiple (LCM) of 15 and 20?

A) 30

B) 60

C) 45

D) 75

Answer: B

Explanation: Multiples of 15: 15, 30, 45, 60; multiples of 20: 20, 40, 60. The LCM is 60.

43. How many factors does 48 have?

- A) 8
- B) 9
- C) 10
- D) 12

Answer: C

Explanation: Prime factorization of 48:  $2^4 \times 3^1$ . Number of factors:  $(4 + 1)(1 + 1) = 5 \times 2 = 10$ .

44. A number is divisible by both 6 and 8. What is the smallest such number?

- A) 24
- B) 48
- C) 72
- D) 96

Answer: A

Explanation: LCM of 6 and 8: multiples of 6: 6, 12, 18, 24; multiples of 8: 8, 16, 24. The smallest number is 24.

45. The GCF of 18 and 27 is:

- A) 3
- B) 6
- C) 9
- D) 12

Answer: C

Explanation: Factors of 18: 1, 2, 3, 6, 9, 18; factors of 27: 1, 3, 9, 27. The GCF is 9.

46. The LCM of 12 and 18 is:

- A) 18
- B) 36
- C) 54
- D) 72

Answer: B

Explanation: Multiples of 12: 12, 24, 36; multiples of 18: 18, 36. The LCM is 36.

47. How many factors does 72 have?

- A) 10
- B) 11
- C) 12
- D) 13

Answer: C

Explanation: Prime factorization of 72:  $2^3 \times 3^2$ . Number of factors:  $(3 + 1)(2 + 1) = 4 \times 3 = 12$ .

48. A number is divisible by both 9 and 15. What is the smallest such number?

- A) 45
- B) 90
- C) 135
- D) 180

Answer: A

Explanation: LCM of 9 and 15: multiples of 9: 9, 18, 27, 36, 45; multiples of 15: 15, 30, 45. The smallest number is 45.

49. The GCF of 30 and 45 is:

- A) 5
- B) 10
- C) 15
- D) 20

Answer: C

Explanation: Factors of 30: 1, 2, 3, 5, 6, 10, 15, 30; factors of 45: 1, 3, 5, 9, 15, 45. The GCF is 15.

50. The LCM of 10 and 25 is:

- A) 25
- B) 50
- C) 75

D) 100

Answer: B

Explanation: Factors of 10:  $2 \times 5$ ; factors of 25:  $5 \times 5$ . The LCM is  $2 \times 5 \times 5 = 50$ .

51. How many factors does 60 have?

A) 10

B) 11

C) 12

D) 13

Answer: C

Explanation: Prime factorization of 60:  $2^2 \times 3^1 \times 5^1$ . Number of factors:  $(2 + 1)(1 + 1)(1 + 1) = 3 \times 2 \times 2 = 12$ .

52. A number is divisible by both 4 and 7. What is the smallest such number?

A) 14

B) 28

C) 42

D) 56

Answer: B

Explanation: LCM of 4 and 7: multiples of 4: 4, 8, 12, 16, 20, 24, 28; multiples of 7: 7, 14, 21, 28. The smallest number is 28.

53. The GCF of 16 and 24 is:

A) 4

B) 8

C) 12

D) 16

Answer: B

Explanation: Factors of 16: 1, 2, 4, 8, 16; factors of 24: 1, 2, 3, 4, 6, 8, 12, 24. The GCF is 8.

54. The LCM of 14 and 21 is:

A) 21

B) 42

C) 63

D) 84

Answer: B

Explanation: Multiples of 14: 14, 28, 42; multiples of 21: 21, 42. The LCM is 42.

55. How many factors does 100 have?

A) 8

B) 9

C) 10

D) 11

Answer: B

Explanation: Prime factorization of 100:  $2^2 \times 5^2$ . Number of factors:  $(2 + 1)(2 + 1) = 3 \times 3 = 9$ .

56. A number is divisible by both 5 and 12. What is the smallest such number?

A) 30

B) 60

C) 90

D) 120

Answer: B

Explanation: LCM of 5 and 12: multiples of 5: 5, 10, 15, ..., 60; multiples of 12: 12, 24, 36, 48, 60. The smallest number is 60.

57. The GCF of 28 and 42 is:

A) 7

B) 14

C) 21

D) 28

Answer: B

Explanation: Factors of 28: 1, 2, 4, 7, 14, 28; factors of 42: 1, 2, 3, 6, 7, 14, 21, 42. The GCF is 14.



58. The LCM of 16 and 20 is:

- A) 40
- B) 80
- C) 120
- D) 160

Answer: B

Explanation: Multiples of 16: 16, 32, 48, 64, 80; multiples of 20: 20, 40, 60, 80. The LCM is 80.

59. How many factors does 36 have?

- A) 7
- B) 8
- C) 9
- D) 10

Answer: C

Explanation: Prime factorization of 36:  $2^2 \times 3^2$ . Number of factors:  $(2 + 1)(2 + 1) = 3 \times 3 = 9$ .

60. A number is divisible by both 10 and 15. What is the smallest such number?

- A) 30
- B) 45
- C) 60
- D) 90

Answer: A

Explanation: LCM of 10 and 15: multiples of 10: 10, 20, 30; multiples of 15: 15, 30. The smallest number is 30.

61. The GCF of 20 and 30 is:

- A) 5
- B) 10
- C) 15
- D) 20

Answer: B

Explanation: Factors of 20: 1, 2, 4, 5, 10, 20; factors of 30: 1, 2, 3, 5, 6, 10, 15, 30. The GCF is 10.

62. The LCM of 18 and 24 is:

- A) 36
- B) 48
- C) 72
- D) 96

Answer: C

Explanation: Multiples of 18: 18, 36, 54, 72; multiples of 24: 24, 48, 72. The LCM is 72.

63. How many factors does 80 have?

- A) 8
- B) 9
- C) 10
- D) 11

Answer: C

Explanation: Prime factorization of 80:  $2^4 \times 5^1$ . Number of factors:  $(4 + 1)(1 + 1) = 5 \times 2 = 10$ .

64. A number is divisible by both 6 and 9. What is the smallest such number?

- A) 18
- B) 36
- C) 54
- D) 72

Answer: A

Explanation: LCM of 6 and 9: multiples of 6: 6, 12, 18; multiples of 9: 9, 18. The smallest number is 18.

65. The GCF of 15 and 25 is:

- A) 5
- B) 10
- C) 15

D) 25

Answer: A

Explanation: Factors of 15: 1, 3, 5, 15; factors of 25: 1, 5, 25. The GCF is 5.

66. The LCM of 20 and 30 is:

A) 30

B) 60

C) 90

D) 120

Answer: B

Explanation: Multiples of 20: 20, 40, 60; multiples of 30: 30, 60. The LCM is 60.

67. How many factors does 120 have?

A) 12

B) 14

C) 16

D) 18

Answer: C

Explanation: Prime factorization of 120:  $2^3 \times 3^1 \times 5^1$ . Number of factors:  $(3 + 1)(1 + 1)(1 + 1) = 4 \times 2 \times 2 = 16$ .

68. A number is divisible by both 8 and 12. What is the smallest such number?

A) 24

B) 48

C) 72

D) 96

Answer: A

Explanation: LCM of 8 and 12: multiples of 8: 8, 16, 24; multiples of 12: 12, 24. The smallest number is 24.

69. The GCF of 24 and 48 is:

A) 12

B) 16

C) 24

D) 32

Answer: C

Explanation: Factors of 24: 1, 2, 3, 4, 6, 8, 12, 24; factors of 48: 1, 2, 3, 4, 6, 8, 12, 24, 48. The GCF is 24.

70. The LCM of 9 and 12 is:

A) 18

B) 36

C) 54

D) 72

Answer: B

Explanation: Multiples of 9: 9, 18, 27, 36; multiples of 12: 12, 24, 36. The LCM is 36.

### **Section 3: Complex Problem Solving with Whole Numbers (Questions 71–100)**

71. A shop sells 25 items at ₹15 each and 30 items at ₹20 each. What is the total revenue?

A) 975

B) 985

C) 995

D) 1,005

Answer: A

Explanation: Revenue from 25 items:  $25 \times 15 = 375$ . Revenue from 30 items:  $30 \times 20 = 600$ . Total:  $375 + 600 = 975$ .

72. A number when multiplied by 7 and then increased by 15 gives 106. What is the number?

A) 13

B) 14

C) 15

D) 16

Answer: A

Explanation: Let the number be  $x$ . Then,  $7x + 15 = 106$ , so  $7x = 91$ ,  $x = 91 \div 7 = 13$ . Check:  $7 \times 13 + 15 = 91 + 15 = 106$ .

73. A total of 450 items are packed into boxes, each containing 15 items. How many boxes are needed?

- A) 28
- B) 29
- C) 30
- D) 31

Answer: C

Explanation: Divide:  $450 \div 15 = 30$ . Check:  $30 \times 15 = 450$ .

74. A worker earns ₹234 for 5 days and spends ₹150 daily. What is the net savings?

- A) 420
- B) 430
- C) 440
- D) 450

Answer: A

Explanation: Earnings:  $234 \times 5 = 1,170$ . Expenses:  $150 \times 5 = 750$ . Savings:  $1,170 - 750 = 420$ .

75. A number when divided by 6 gives 17 as the quotient and 3 as the remainder. What is the number?

- A) 102
- B) 103
- C) 104
- D) 105

Answer: D

Explanation: Number = (quotient  $\times$  divisor) + remainder =  $(17 \times 6) + 3 = 102 + 3 = 105$ . Check:  $105 \div 6 = 17$  remainder 3.

76. A shop sells 36 items at ₹25 each and 24 items at ₹30 each. What is the total revenue?

A) 1,620

B) 1,630

C) 1,640

D) 1,650

Answer: A

Explanation: Revenue from 36 items:  $36 \times 25 = 900$ . Revenue from 24 items:  $24 \times 30 = 720$ . Total:  $900 + 720 = 1,620$ .

77. A number when multiplied by 9 and then decreased by 18 gives 153. What is the number?

A) 18

B) 19

C) 20

D) 21

Answer: B

Explanation: Let the number be  $x$ . Then,  $9x - 18 = 153$ , so  $9x = 171$ ,  $x = 171 \div 9 = 19$ . Check:  $9 \times 19 - 18 = 171 - 18 = 153$ .

78. A total of 360 items are packed into boxes, each containing 12 items. How many boxes are needed?

A) 28

B) 29

C) 30

D) 31

Answer: C

Explanation: Divide:  $360 \div 12 = 30$ . Check:  $30 \times 12 = 360$ .

79. A worker earns ₹345 for 4 days and spends ₹200 daily. What is the net savings?

A) 580

B) 590

C) 600

D) 610

Answer: A

Explanation: Earnings:  $345 \times 4 = 1,380$ . Expenses:  $200 \times 4 = 800$ .  
Savings:  $1,380 - 800 = 580$ .

80. A number when divided by 8 gives 13 as the quotient and 5 as the remainder. What is the number?

- A) 104
- B) 105
- C) 106
- D) 109

Answer: D

Explanation: Number =  $(13 \times 8) + 5 = 104 + 5 = 109$ . Check:  $109 \div 8 = 13$  remainder 5.

81. A shop sells 15 items at ₹40 each and 20 items at ₹25 each. What is the total revenue?

- A) 1,100
- B) 1,150
- C) 1,200
- D) 1,250

Answer: A

Explanation: Revenue from 15 items:  $15 \times 40 = 600$ . Revenue from 20 items:  $20 \times 25 = 500$ . Total:  $600 + 500 = 1,100$ .

82. A number when multiplied by 6 and then increased by 12 gives 90. What is the number?

- A) 12
- B) 13
- C) 14
- D) 15

Answer: B

Explanation: Let the number be  $x$ . Then,  $6x + 12 = 90$ , so  $6x = 78$ ,  $x = 78 \div 6 = 13$ . Check:  $6 \times 13 + 12 = 78 + 12 = 90$ .

83. A total of 480 items are packed into boxes, each containing 16 items. How many boxes are needed?

- A) 28
- B) 29
- C) 30
- D) 31

Answer: C

Explanation: Divide:  $480 \div 16 = 30$ . Check:  $30 \times 16 = 480$ .

84. A worker earns ₹456 for 3 days and spends ₹250 daily. What is the net savings?

- A) 618
- B) 628
- C) 638
- D) 648

Answer: A

Explanation: Earnings:  $456 \times 3 = 1,368$ . Expenses:  $250 \times 3 = 750$ .  
Savings:  $1,368 - 750 = 618$ .

85. A number when divided by 9 gives 11 as the quotient and 7 as the remainder. What is the number?

- A) 104
- B) 105
- C) 106
- D) 107

Answer: C

Explanation: Number =  $(11 \times 9) + 7 = 99 + 7 = 106$ . Check:  $106 \div 9 = 11$  remainder 7.

86. A shop sells 20 items at ₹30 each and 15 items at ₹40 each. What is the total revenue?

- A) 1,200
- B) 1,250
- C) 1,300
- D) 1,350

Answer: A



Explanation: Revenue from 20 items:  $20 \times 30 = 600$ . Revenue from 15 items:  $15 \times 40 = 600$ . Total:  $600 + 600 = 1,200$ .

87. A number when multiplied by 5 and then decreased by 10 gives 65. What is the number?

- A) 14
- B) 15
- C) 16
- D) 17

Answer: B

Explanation: Let the number be  $x$ . Then,  $5x - 10 = 65$ , so  $5x = 75$ ,  $x = 75 \div 5 = 15$ . Check:  $5 \times 15 - 10 = 75 - 10 = 65$ .

88. A total of 540 items are packed into boxes, each containing 18 items. How many boxes are needed?

- A) 28
- B) 29
- C) 30
- D) 31

Answer: C

Explanation: Divide:  $540 \div 18 = 30$ . Check:  $30 \times 18 = 540$ .

89. A worker earns ₹567 for 2 days and spends ₹200 daily. What is the net savings?

- A) 734
- B) 744
- C) 754
- D) 764

Answer: A

Explanation: Earnings:  $567 \times 2 = 1,134$ . Expenses:  $200 \times 2 = 400$ . Savings:  $1,134 - 400 = 734$ .

90. A number when divided by 7 gives 15 as the quotient and 4 as the remainder. What is the number?

- A) 109

B) 110

C) 111

D) 112

Answer: A

Explanation: Number =  $(15 \times 7) + 4 = 105 + 4 = 109$ . Check:  $109 \div 7 = 15$  remainder 4.

91. A shop sells 10 items at ₹50 each and 25 items at ₹20 each. What is the total revenue?

A) 1,000

B) 1,050

C) 1,100

D) 1,150

Answer: A

Explanation: Revenue from 10 items:  $10 \times 50 = 500$ . Revenue from 25 items:  $25 \times 20 = 500$ . Total:  $500 + 500 = 1,000$ .

92. A number when multiplied by 4 and then increased by 18 gives 86. What is the number?

A) 16

B) 17

C) 18

D) 19

Answer: B

Explanation: Let the number be  $x$ . Then,  $4x + 18 = 86$ , so  $4x = 68$ ,  $x = 68 \div 4 = 17$ . Check:  $4 \times 17 + 18 = 68 + 18 = 86$ .

93. A total of 600 items are packed into boxes, each containing 20 items. How many boxes are needed?

A) 28

B) 29

C) 30

D) 31

Answer: C

Explanation: Divide:  $600 \div 20 = 30$ . Check:  $30 \times 20 = 600$ .

94. A worker earns ₹678 for 3 days and spends ₹300 daily. What is the net savings?

- A) 1,134
- B) 1,144
- C) 1,154
- D) 1,164

Answer: A

Explanation: Earnings:  $678 \times 3 = 2,034$ . Expenses:  $300 \times 3 = 900$ .  
Savings:  $2,034 - 900 = 1,134$ .

95. A number when divided by 10 gives 12 as the quotient and 8 as the remainder. What is the number?

- A) 128
- B) 129
- C) 130
- D) 131

Answer: A

Explanation: Number =  $(12 \times 10) + 8 = 120 + 8 = 128$ . Check:  $128 \div 10 = 12$  remainder 8.

96. A shop sells 12 items at ₹45 each and 18 items at ₹30 each. What is the total revenue?

- A) 1,080
- B) 1,090
- C) 1,100
- D) 1,110

Answer: A

Explanation: Revenue from 12 items:  $12 \times 45 = 540$ . Revenue from 18 items:  $18 \times 30 = 540$ . Total:  $540 + 540 = 1,080$ .

97. A number when multiplied by 8 and then decreased by 16 gives 96. What is the number?

- A) 13
- B) 14

C) 15

D) 16

Answer: B

Explanation: Let the number be  $x$ . Then,  $8x - 16 = 96$ , so  $8x = 112$ ,  $x = 112 \div 8 = 14$ . Check:  $8 \times 14 - 16 = 112 - 16 = 96$ .

98. A total of 720 items are packed into boxes, each containing 24 items. How many boxes are needed?

A) 28

B) 29

C) 30

D) 31

Answer: C

Explanation: Divide:  $720 \div 24 = 30$ . Check:  $30 \times 24 = 720$ .

99. A worker earns ₹789 for 2 days and spends ₹250 daily. What is the net savings?

A) 1,078

B) 1,088

C) 1,098

D) 1,108

Answer: A

Explanation: Earnings:  $789 \times 2 = 1,578$ . Expenses:  $250 \times 2 = 500$ . Savings:  $1,578 - 500 = 1,078$ .

100. A number when divided by 12 gives 15 as the quotient and 6 as the remainder. What is the number?

A) 186

B) 187

C) 188

D) 189

Answer: A

Explanation: Number =  $(15 \times 12) + 6 = 180 + 6 = 186$ . Check:  $186 \div 12 = 15$  remainder 6.

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