

NACT Mathematics Practice Set class-3rd

Section 1: Logical Reasoning (25 Questions)

Q1. What comes next? 3, 6, 9, 12, ____

- a) 13 b) 14 c) 15 d) 16

Ans: c) 15

Q2. Which one is different?

- a) 2, 4, 6 b) 3, 6, 9 c) 5, 10, 15 d) 7, 14, 20

Ans: d) 7, 14, 20

Q3. If MONDAY = 1, TUESDAY = 2, WEDNESDAY = ?

- a) 3 b) 4 c) 5 d) 6

Ans: a) 3

Q4. Count the triangles in this figure: ▲▲▲

- a) 3 b) 6 c) 9 d) 12

Ans: b) 6

Q5. Which number completes the pattern? 2, 4, 8, 16, ____

- a) 20 b) 24 c) 32 d) 30

Ans: c) 32

Q6. Find the odd one:

- a) 12 b) 24 c) 36 d) 35

Ans: d) 35

Q7. What comes next? A, C, E, G, ____

- a) H b) I c) J d) K

Ans: b) I

Q8. If $5 + 3 = 28$, $6 + 2 = 48$, then $7 + 1 = ?$

- a) 14 b) 56 c) 16 d) 64

Ans: b) 56

Q9. Find the missing number: 18, 15, 12, ____, 6

- a) 11 b) 10 c) 9 d) 8

Ans: c) 9

Q10. Mirror image of 139 would be:

- a) 931 b) ƎƎƎ c) ƎƎƎ d) 931 (flipped)

Ans: d) 931 (flipped)

Q11. Which comes next? 5, 10, 20, 40, ____

- a) 50 b) 60 c) 80 d) 100

Ans: c) 80

Q12. Odd one out:

- a) Circle b) Triangle c) Cube d) Square

Ans: c) Cube

Q13. Which letter is 5th from the right in ALPHABET?

- a) P b) H c) B d) T

Ans: b) H

Q14. Series: 100, 90, 80, ____, 60

- a) 65 b) 70 c) 75 d) 55

Ans: b) 70

Q15. Choose odd one:

- a) Mango b) Banana c) Apple d) Potato

Ans: d) Potato

Q16. Which number comes next? 11, 22, 33, ____, 55

- a) 44 b) 45 c) 46 d) 47

Ans: a) 44

Q17. Which is not a pair?

- a) Dog–Bark b) Cat–Meow c) Cow–Chirp d) Duck–Quack

Ans: c) Cow–Chirp

Q18. Odd one out:

- a) 2, 4, 6, 8 b) 3, 6, 9, 12 c) 5, 10, 15, 20 d) 11, 22, 33, 50

Ans: d) 11, 22, 33, 50

Q19. Which comes next? Z, X, V, T, ____

- a) R b) S c) U d) Q

Ans: a) R

Q20. Which is the odd number?

- a) 121 b) 144 c) 169 d) 170

Ans: d) 170

Q21. Which is different?

- a) Pen b) Pencil c) Book d) Plate

Ans: d) Plate

Q22. 3, 6, 12, 24, ____

- a) 36 b) 40 c) 48 d) 60

Ans: c) 48

Q23. Which is not an even number?

- a) 14 b) 22 c) 33 d) 40

Ans: c) 33

Q24. Complete the pattern: AA, BB, CC, ____

- a) DD b) EE c) AB d) BC

Ans: a) DD

Q25. Which comes next? 2, 4, 6, 10, 16, ____

- a) 20 b) 22 c) 26 d) 32

Ans: c) 26

➗ Section 2: Mathematical Reasoning (25 Questions)

Q26. $84 \div 7 =$

- a) 11 b) 12 c) 13 d) 14

Ans: b) 12

Q27. $35 + 27 =$

- a) 62 b) 61 c) 60 d) 63

Ans: a) 62

Q28. $\frac{2}{3}$ of 24 =

- a) 16 b) 14 c) 12 d) 18

Ans: d) 16

Q29. Which is a multiple of 9?

- a) 27 b) 32 c) 45 d) both a & c

Ans: d) both a & c

Q30. Which number is smallest?

- a) 0.7 b) 0.09 c) 0.6 d) 0.05

Ans: d) 0.05

Q31. If $48 \div 6 = ?$

- a) 6 b) 7 c) 8 d) 9

Ans: c) 8

Q32. Place value of 3 in 394?

- a) 3 b) 30 c) 300 d) 90

Ans: c) 300

Q33. Roman numeral of 19?

- a) XIX b) XIV c) XVI d) XX

Ans: a) XIX

Q34. Shape with 4 equal sides and angles?

- a) Rectangle b) Square c) Triangle d) Circle

Ans: b) Square

Q35. Convert 1 kg 500 g to grams:

- a) 1500 g b) 1050 g c) 1005 g d) 500 g

Ans: a) 1500 g

Q36. $25 \times 4 =$

- a) 50 b) 75 c) 100 d) 125

Ans: c) 100

Q37. $500 - 375 =$

- a) 115 b) 120 c) 125 d) 130

Ans: c) 125

Q38. LCM of 4 and 6 =

- a) 8 b) 10 c) 12 d) 24

Ans: c) 12

Q39. HCF of 16 and 24 =

- a) 4 b) 8 c) 12 d) 16

Ans: b) 8

Q40. Perimeter of rectangle $8 \times 5 =$

- a) 26 b) 30 c) 36 d) 40

Ans: b) 26

Q41. Area of square side 6 cm?

- a) 12 b) 18 c) 24 d) 36

Ans: d) 36

Q42. $\frac{1}{4}$ of 200 =

- a) 25 b) 40 c) 50 d) 60

Ans: c) 50

Q43. Simplify: $300 \div (10 \times 3) =$

- a) 5 b) 10 c) 20 d) 30

Ans: a) 10

Q44. $7 \times 9 =$

- a) 56 b) 63 c) 72 d) 81

Ans: b) 63

Q45. 1 dozen = ?

- a) 10 b) 11 c) 12 d) 13

Ans: c) 12

Q46. $\frac{3}{4}$ of 40 =

- a) 20 b) 25 c) 30 d) 35

Ans: c) 30

Q47. Convert 2 km to metres:

- a) 200 b) 2000 c) 20,000 d) 2,000,000

Ans: b) 2000

Q48. If a box holds 100 pens and 25 are removed, left = ?

- a) 65 b) 70 c) 75 d) 80

Ans: c) 75

Q49. Which is greatest?

- a) $\frac{2}{3}$ b) $\frac{3}{4}$ c) $\frac{1}{2}$ d) $\frac{1}{3}$

Ans: b) $\frac{3}{4}$

Q50. 10 tens = ?

- a) 100 b) 10 c) 1000 d) 1

Ans: a) 100

□ Section 3: Everyday Mathematics (25 Questions)

Q51. Pencil costs ₹7. 6 pencils cost?

- a) ₹42 b) ₹35 c) ₹40 d) ₹45

Ans: a) ₹42

Q52. Train leaves 2 PM, reaches 5 PM. Journey time?

- a) 2 h b) 3 h c) 4 h d) 5 h

Ans: b) 3 h

Q53. Clock shows 3:00. Which time?

- a) 3:00 b) 12:03 c) 3:12 d) 12:00

Ans: a) 3:00

Q54. 5 boxes $\times$ 8 chocolates = ?

- a) 40 b) 35 c) 45 d) 50

Ans: a) 40

Q55. 2L + 500ml water = ?

- a) 2.5L b) 2.05L c) 3L d) 2500L

Ans: a) 2.5L

Q56. Buy toy ₹90, pay ₹100. Change?

- a) ₹9 b) ₹10 c) ₹11 d) ₹15

Ans: b) ₹10

Q57. Walk 500m to school and back = ?

- a) 500m b) 1000m c) 1500m d) 2000m

Ans: b) 1000m

Q58. School: 7:30–1:30. Total = ?

- a) 5 b) 6 c) 7 d) 8

Ans: c) 6

Q59. Apple weighs 200g. 5 apples = ?

- a) 1000g b) 1kg c) both a & b d) 2kg

Ans: c) both a & b

Q60. Unit for milk?

- a) Kilogram b) Litre c) Metre d) Gram

Ans: b) Litre

Q61. A car travels 60 km in 1 hr. Distance in 3 hrs?

- a) 120 km b) 150 km c) 180 km d) 200 km

Ans: c) 180 km

Q62. Mango costs ₹15. 4 mangoes = ?

- a) ₹60 b) ₹55 c) ₹65 d) ₹75

Ans: a) ₹60

Q63. One week = ? days

- a) 5 b) 6 c) 7 d) 8

Ans: c) 7

Q64. Book costs ₹45. Pay with ₹100. Change?

- a) ₹45 b) ₹55 c) ₹60 d) ₹65

Ans: b) ₹55

Q65. Teacher has 40 students. 10 are absent. Present = ?

- a) 25 b) 28 c) 30 d) 32

Ans: c) 30

Q66. A man earns ₹500 per day. 7 days = ?

- a) ₹2500 b) ₹3000 c) ₹3500 d) ₹4000

Ans: c) ₹3500

Q67. A cow gives 12 L milk daily. In 5 days = ?

- a) 50 L b) 55 L c) 60 L d) 65 L

Ans: c) 60 L

Q68. A bottle contains 1.5 L water. In ml?
a) 15 ml b) 150 ml c) 1500 ml d) 15000 ml
Ans: c) 1500 ml

Q69. Bus ticket = ₹25. 8 students pay?
a) ₹180 b) ₹190 c) ₹200 d) ₹210
Ans: c) ₹200

Q70. An orange weighs 250g. 4 oranges = ?
a) 1 kg b) 1000g c) both d) 2 kg
Ans: c) both

Q71. A rope is 5 m. Cut into 1 m each. Pieces?
a) 3 b) 4 c) 5 d) 6
Ans: c) 5

Q72. Which is longest?
a) 1 km b) 100 m c) 10 m d) 1000 cm
Ans: a) 1 km

Q73. A bag has 6 red, 4 blue balls. Total?
a) 9 b) 10 c) 12 d) 14
Ans: c) 10

Q74. 1 hour = ? minutes
a) 60 b) 90 c) 120 d) 30
Ans: a) 60

Q75. A car runs 240 km in 4 hrs. Speed?
a) 40 b) 50 c) 60 d) 70
Ans: c) 60 km/hr

Section 4: Achievers (HOTS – 25 Questions)

Q76. Multiply a number by 6 and subtract 4 = 20. Number?
a) 3 b) 4 c) 5 d) 6
Ans: b) 4

Q77. 28 legs in cage (chickens=2 legs, goats=4). Total animals?
a) 7 b) 8 c) 9 d) 10
Ans: b) 8

Q78. Half of number = 18. Number?
a) 34 b) 35 c) 36 d) 37
Ans: c) 36

Q79. Riya has $3 \times$ Tia. Together = ₹120. Tia has?
a) ₹30 b) ₹40 c) ₹50 d) ₹60
Ans: b) ₹30

Q80. You have ₹100. Buy 3 pens ₹15, 2 notebooks ₹20. Left?
a) ₹15 b) ₹10 c) ₹5 d) ₹20
Ans: a) ₹15

Q81. What number gives same result $\times 4$ and $+12$?
a) 3 b) 4 c) 6 d) 5
Ans: b) 4

Q82. Basket has 48 fruits. $\frac{1}{3}$ mangoes. Apples = ?
a) 32 b) 16 c) 36 d) 12
Ans: a) 32

Q83. Missing number: 11, 22, ____, 44, 55
a) 33 b) 34 c) 35 d) 32
Ans: a) 33

Q84. Perimeter of square side 7 cm?
a) 28 b) 14 c) 21 d) 35
Ans: a) 28

Q85. Which is true?
a) $\frac{1}{2} > \frac{1}{3}$ b) $\frac{1}{3} > \frac{1}{2}$ c) $\frac{1}{4} > \frac{1}{2}$ d) $1 < \frac{1}{2}$
Ans: a) $\frac{1}{2} > \frac{1}{3}$

Q86. If $15 \times 5 = 75$, then $150 \div 5 =$?
a) 20 b) 25 c) 30 d) 35
Ans: c) 30

Q87. A number is divisible by both 3 & 5. Which?
a) 12 b) 15 c) 20 d) 25
Ans: b) 15

Q88. Smallest 4-digit number?
a) 1000 b) 1111 c) 1010 d) 9999
Ans: a) 1000

Q89. If $3A = 27$, then $A =$?
a) 6 b) 7 c) 8 d) 9
Ans: d) 9

Q90. If 10 pencils cost ₹50, 1 pencil = ?

- a) ₹2 b) ₹3 c) ₹4 d) ₹5

Ans: d) ₹5

Q91. Which number is both square and cube?

- a) 4 b) 8 c) 16 d) 64

Ans: d) 64

Q92. If $5 \times 5 = 25$, then $\sqrt{25} = ?$

- a) 2 b) 4 c) 5 d) 6

Ans: c) 5

Q93. Sum of first 10 natural numbers?

- a) 45 b) 50 c) 55 d) 60

Ans: c) 55

Q94. If $x = 5$, then $2x + 3 = ?$

- a) 10 b) 12 c) 13 d) 15

Ans: c) 13

Q95. Which is greatest?

- a) 0.99 b) 0.909 c) 0.9 d) 0.1009

Ans: a) 0.99

Q96. If a rectangle length = 10, breadth = 5.
Area = ?

- a) 25 b) 50 c) 60 d) 100

Ans: b) 50

Q97. Which is next prime after 29?

- a) 30 b) 31 c) 32 d) 33

Ans: b) 31

Q98. If 6 men finish work in 10 days, then 3 men finish in?

- a) 20 days b) 25 days c) 30 days d) 15 days

Ans: c) 20 days

Q99. Which is not a factor of 24?

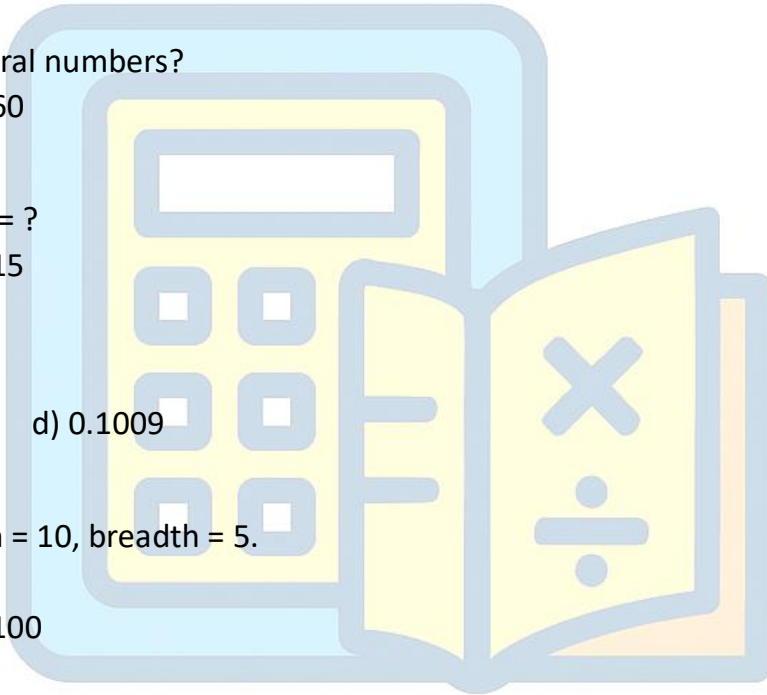
- a) 2 b) 3 c) 5 d) 8

Ans: c) 5

Q100. Largest 2-digit prime number?

- a) 97 b) 99 c) 89 d) 93

Ans: a) 97



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