8th All India RPS OLYMPIAD

Online & Offline Mega Event

QUESTION PAPER (PHASE – I)

CLASS - IV

RPS MATHS LEAGUE

Q1. The number 6,04,305 is read as:

(A) Six lakh four thousand three hundred five

(B) Six lakh forty thousand three hundred five

(C) Sixty lakh four thousand three hundred five

(D) Six lakh four hundred thirty-five

Q2. Which number has 7 in the ten-thousands place and 3 in the hundreds place?

(A) 4,07,305 (B) 4,70,305 (C) 4,73,005 (D) 4,07,035

Q3. Using the digits 2, 0, 8, 5, 1, 6 only once, what is the greatest six-digit number?

(A) 865210 (B) 865201 (C) 862510 (D) 856210

Q4. What is the difference between the greatest and the smallest 5-digit numbers formed using 4, 0, 7, 2, 9 once each?

(A) 76,941 (B) 75,942 (C) 74,952 (D) 75,492

Q5. Which one of the following Roman numerals is valid?

(A) IM (B) LLC (C) CDXC (D) XLD

Q6. A town has 2,48,675 people. Its population increases by 12,450. What is the new population?

(A) 2,61,125 (B) 2,60,125 (C) 2,61,025 (D) 2,59,125

Q7. A library had 85,650 books. It donated 17,895 books and then bought 9,750. How many books does it have now?

(A) 76,505 (B) 77,405 (C) 78,505 (D) 77,505

Q8. Estimate 48,762 + 31,489 to the nearest thousand.

(A) 79,000 (B) 80,000 (C) 81,000 (D) 78,000

Q9. A factory made 3,45,780 toys in January and 2,98,675 in February. How many more toys were made in January?

(A) 46,105 (B) 47,205 (C) 47,105 (D) 57,105

Q10. Which expression gives a result of 1,00,000?

(A) 78,456 + 21,544 (B) 89,650 + 10,250

(C) 65,780 + 34,120 (D) 54,999 + 45,000

Q11. A school orders 248 boxes of pencils. Each box contains 36 pencils. How many pencils are ordered?

(A) 8,628 (B) 8,828 (C) 8,9280 (D) 8,928

Q12. A theatre has 125 rows with 48 seats in each row. How many seats are there?

(A) 6,000 (B) 5,900 (C) 6,100 (D) 6,250

Q13. A number multiplied by 24 gives 1,728. What is the number?

(A) 62 (B) 72 (C) 82 (D) 74

Q14. X and Y are two natural numbers .X is 5646 more than Y .If sum of X and Y is 545498, find the value of Y

(A) 119664 (B) 539852 (C) 1095642 (D) 269926

Q15. A shopkeeper packs 2,856 biscuits equally into 24 packets. How many biscuits are in each packet?

(A) 119 (B) 109 (C) 129 (D) 118

Q16. A school has 1,248 students. They are divided equally into 16 groups. How many students are in each group?

(A) 88 (B) 68 (C) 78 (D) 72

Q17. A farmer puts 1,575 apples into crates of 25 apples each. How many full crates can he fill?

(A) 60 (B) 53 (C) 65 (D) 63

Q18. Which number is divisible by both 3 and 5?

(A) 4,125 (B) 4,122 (C) 4,130 (D) 4,124

Q19. Which pair contains only factors of 36?

(A) 5 and 8 (B) 4 and 9 (C) 6 and 7 (D) 3 and 14

Q20. The first three common multiples of 4 and 6 are:

(A) 24, 36, 48 (B) 8, 16, 24 (C) 6, 12, 18 (D) 12, 24, 36

Q21. A number is a multiple of 8 and lies between 40 and 60. It is also a multiple of 3. What is it?

(A) 48 (B) 40 (C) 56 (D) 60

Q22. Which number has exactly two factors?

(A) 25 (B) 21 (C) 17 (D) 27

Q23. A+ $\frac{5}{19} + \frac{7}{19} = \frac{31}{19}$

Read the following statements and choose the correct statement.

Statement I:A is a proper fraction

Statements II:A is an improper fraction.

(A) Statement I is true (B) Statement II is true

(C) Both A and B are true (D) Both A and B are false

Q24. Which fraction is equivalent to 3/4?

(A) 8/12 (B) 6/10 (C) 12/20 (D) 9/12

Q25. Riya ate 2/8 of a pizza and Aman ate 3/8. What fraction of the pizza remained?

(A) 2/8 (B) 5/8 (C) 3/8 (D) 1/8

Q26. Which is the greatest fraction?

(A) 6/5 (B) 4/5 (C) 3/4 (D) 7/10

Q27. If the denominator of a fraction is twice it's numerator, then the fraction must be :

(A) an improper fraction (B) a proper fraction

(C) zero (D) a whole number

Q28. A ribbon is 3/4 metre long. Meena uses 1/4 metre. How much ribbon is left?

(A) 1/2 m (B) 2/4 m (C) Both A and B (D) 1/4 m

Q29. A cake is cut into 12 equal pieces. 5 pieces are eaten in the morning and 3 in the evening. What fraction of the cake is eaten?

(A) 1/3 (B) 2/3 (C) 5/12 (D) 4/12

Q30. A jug is 2/5 full. Another 1/5 of the jug's capacity is added. What fraction is full now?

(A) 3/5 (B) 3/10 (C) 1/5 (D) 4/5

Q31. Which decimal represents 7 tenths and 4 hundredths?

(A) 7.4 (B) 7.04 (C) 0.704 (D) 0.74

Q32. Which is the greatest decimal?

(A) 3.45 (B) 3.05 (C) 3.50 (D) 3.405

Q33. A pencil costs ₹8.50 and an eraser costs ₹4.75. What is their total cost?

(A) ₹13.25 (B) ₹12.25 (C) ₹13.15 (D) ₹14.25

Q34. You have ₹50. You buy a notebook for ₹27.65. How much money is left?

(A) ₹22.45 (B) ₹23.35 (C) ₹22.35 (D) ₹21.35

Q35. Which statement is true?

(A) 2.6 = 2.60 (B) 2.6 < 2.06 (C) 2.60 < 2.6 (D) 2.06 > 2.6

Q36. A bottle contains 1.25 L of juice. Another 0.75 L is poured in it. How much juice is there?

(A) 1.90 L (B) 2 L (C) 2.10 L (D) 1.75 L

Q37. A class survey shows 8 students like apples, 12 like bananas and 6 like oranges. How many students were surveyed?

(A) 26 (B) 24 (C) 28 (D) 20

Q38. In a pictograph, one symbol represents 5 books. If a row has 7 symbols, how many books does it represent?

(A) 12 (B) 30 (C) 40 (D) 35

Q39. A bar graph shows sales: Monday 25, Tuesday 40, Wednesday 30, Thursday 45. On which two days were total sales 70?

(A) Wednesday and Thursday (B) Monday and Tuesday

(C) Monday and Wednesday (D) Tuesday and Wednesday

Q40. Four teams scored 18, 24, 21 and 17 points. What is the difference between the highest and lowest scores?

(A) 7 (B) 6 (C) 8 (D) 5

Q41. A survey records 15 votes for cricket, 9 for football and 6 for badminton. What fraction of votes were for football?

(A) 3/10 (B) 9/30 (C) Both A and B (D) 1/3

Q42. A survey of 40 students shows that 16 prefer football, 13 prefer cricket and the rest prefer badminton. How many students prefer badminton?

(A) 11 (B) 10 (C) 12 (D) 9

Q43. A 5 m ribbon is cut into pieces of 25 cm each. How many pieces are made?

(A) 25 (B) 20 (C) 15 (D) 200

Q44. Which is the best estimate for 398 cm?

(A) About 400 m (B) About 40 m (C) About 3 m (D) About 4 m

Q45. A water tank contains 18 L 500 mL water. If 6 L 750 mL is used, how much water remains?

(A) 11 L 750 mL (B) 12 L 250 mL (C) 11 L 250 mL (D) 12 L 750 mL

Q46. A pictograph uses one star to represent 4 students. If the chart shows 6 stars for chess and 4 stars for carrom, how many more students prefer chess?

(A) 8 (B) 6 (C) 10 (D) 4

Q47. A class survey shows favourite fruits: Mango 18 votes, Apple 12 votes, Banana 15 votes and Orange 9 votes. How many more votes did Mango get than Orange?

(A) 7 (B) 8 (C) 9 (D) 6

Q48. A class collected these scores in a quiz: 12, 15, 9, 15, 18. What is the difference between the highest and lowest scores?

(A) 8 (B) 9 (C) 6 (D) 7

Q49. A tally chart shows books borrowed: Monday 14, Tuesday 21, Wednesday 17 and Thursday 21. Which statement is correct?

(A) Tuesday and Thursday had equal numbers (B) Monday had the most books

(C) Wednesday had 4 more than Tuesday (D) Thursday had fewer than Monday

Q50. A school recorded the number of plants in four houses: Red 28, Blue 35, Green 24 and Yellow 33. If the school wants to show the comparison clearly, which display is most suitable?

(A) A single number sentence (B) Bar graph

(C) A multiplication table only (D) A calendar

Q51. A shop sells 36 pencils each day. How many pencils will it sell in 7 days?

(A) 216 (B) 242 (C) 262 (D) 252

Q52. A number rounded to the nearest thousand is 46,000. Which could be the number?

(A) 45,678 (B) 46,650 (C) 44,499 (D) 46,999

Q53. Which one of the following is not true?

(A) Successor of an even number is an odd number.

(B) Predecessor of an odd number is an even number.

(C) If a number is odd, its predecessor as well as successor will be even.

(D) An even number has odd predecessor and even successor.

Q54. A baker made 1,250 cupcakes. He packed 18 boxes with 60 cupcakes each. How many cupcakes were left unpacked?

(A) 170 (B) 180 (C) 160 (D) 150

Q55. Which calculation has the smallest answer?

(A) 700 – 389 (B) 600 – 278 (C) 500 – 169 (D) 800 − 478

Q56. Which one of the following is the correct statement for the number 56 and 84?

(A) Both the numbers are prime. (B) Both the numbers are coprime

(C) Both the numbers are multiple of 14 (D) Both the numbers are odd

Q57. Which of the following fractions is not equal to the other three?

(A) 4/5 (B) 9/15 (C) 3/5 (D) 6/10

Q58. A number has 5 thousands, 3 hundreds, 0 tens and 8 ones. If 2,000 is added, what is the new number?

(A) 5,508 (B) 7,308 (C) 7,358 (D) 7,380

Q59. A shopkeeper has 9 trays with 18 eggs each. He sells 47 eggs. How many eggs remain?

(A) 117 (B) 115 (C) 125 (D) 105

Q60. Which unit is most suitable to measure the distance between two cities?

(A) Kilometre (B) Centimetre (C) Millimetre (D) Metre