8th All India RPS OLYMPIAD
Online & Offline Mega Event

QUESTION PAPER (PHASE – I)

CLASS - III

RPS MATHS LEAGUE

Q1. What number should be added to 100 to get the product of 10 and 12?

(A) 20 (B) 32 (C) 40 (D) 52

Q2. If 15 × 4 = 60, which division fact represents the inverse property?

(A) 60 × 4 = 240 (B) 60 ÷ 15 = 4
(C) 15 ÷ 4 = 3 remainder 3 (D) 60 ÷ 60 = 1

Q3. 1200 people watched a movie on Monday and 1500 people watched it on Tuesday. How many people watched the movie in the two days?

(A) 2700 (B) 1800 (C) 1200 (D) 2200

Q4. Which comparison statement between two fractions is correct?

(A) 1/3 > 1/2 (B) 1/6 > 1/3 (C) 1/3 > 1/6 (D) 1/8 > 1/4

Q5. Rohan has 345 marbles. His sister gives him 188 more marbles, and his friend gives him 267 marbles. What is the total number of marbles Rohan has now?

(A) 790 (B) 800 (C) 802 (D) 810

Q6. If you take a hollow paper cylinder, cut it straight down along its height, and flatten it out, what 2D plane shape do you get?

(A) A square or rectangle (B) A Triangle
(C) A circle (D) An oval

7. There were 38 more children than adults in a restaurant. If there were 79 adults, then how many people were there altogether?

(A) 117 (B) 155 (C) 158 (D) 196

Q8. The number to be subtracted is called _____

(A) Subtrahend (B) Minuend (C) Difference (D) Sum

Q9. How many times 9 should be subtracted from 72 to get 0?

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

Q10. Find the number which is 500 more than the difference between 8250 and 3725.

(A) 5025 (B) 4525 (C) 5525 (D) 4025

Q11. If A + A + A = 24 and A + B + B = 20, what is the value of A + B + A?

(A) 18 (B) 20 (C) 22 (D) 24

Q12. Which statement is always true for any rectangle?

(A) All four sides are unequal in length. (B) Opposite sides are equal.
(C) It has three corners. (D) It has no corner

Q13. Which group of fractions is ordered from LEAST to GREATEST?

(A) 7/8, 3/8, 1/8 (B) 1/8, 3/8, 7/8
(C) 3/8, 1/8, 7/8 (D) 1/8, 7/8, 3/8

Q14. When 589 pencils are packed equally into 9 boxes, how many pencils are left unpacked?

(A) 1 (B) 2 (C) 3 (D) 4

Q15. Round off each addend to the nearest hundreds, then estimate (3487 + 2614).

(A) 6100 (B) 5500 (C) 6000 (D) 6500

Q16. 171 ÷ 9 is equal to:

(A) 6 (B) 7 (C) 8 (D) 19

Q17. Rishit has 12 bananas. If he ate one – fourth of the bananas then how many bananas has he eaten?

(A) 2 (B) 3 (C) 4 (D) 6

Q18. If 7625 – 2348 = 5277, then find: 7625 – 5277 = ?

(A) 2348 (B) 5277 (C) 7625 (D) 2448

Q19. The place value of 5 in the product of 34 and 46 is:

(A) 5 (B) 50 (C) 500 (D) 5000

Q20. Rahul divided a number by 6, subtracted 4 from the quotient, and got 8. What was the original number?

(A) 48 (B) 24 (C) 72 (D) 60

Q21. Which of the following statements is not correct:

(A) 0 ÷ 24 = 0 (B) 24 ÷ 0 = 0 (C) 24 ÷ 24 = 1 (D) 24 ÷ 1 = 24

Q22. Sneha has 48 stickers. She gives half of them to her brother, and then divides the remaining stickers equally among herself and 3 friends. How many stickers does each person get in the final group?

(A) 6 (B) 8 (C) 12 (D) 4

Q23. If you cut off one corner of a square, how many vertices will the new shape have?

(A) 3 (B) 4 (C) 5 (D) 6

Q24. A rectangular sheet of paper is folded in half twice. How many equal-sized rectangles will you get when you unfold it?

(A) 2 (B) 3 (C) 4 (D) 8

Q25. A worker earns ₹700 a day. He worked for 15 days and spent ₹6500. How much money did he save?

(A) ₹3500 (B) ₹4000 (C) ₹4200 (D) ₹4500

Q26. A = 8 × 7, B = 6 × 9. Which statement is correct?

(A) A > B (B) A < B (C) A = B (D) Cannot say

Q27. A number when divided by 9 gives a quotient that is equal to the sum of 5 and 4 with no remainder. What is the number?

(A) 72 (B) 81 (C) 90 (D) 45

Q28. The remainder when 7035 is divided by 100 is:

(A) 70 (B) 703 (C) 35 (D) 5

Q29. RED + RED = BLUE. If RED = 245, what is the value of BLUE + 110?

(A) 490 (B) 500 (C) 600 (D) 610

Q30. If 100 is added to 4599 then the answer will be:

(A) 4699 (B) 4000 (C) 3599 (D) 4499

Q31. Sam and Amy have identical juice boxes. Sam drank 3/8 of his box, and Amy drank 5/8 of her box. Who drank more juice?

(A) Sam (B) Amy
(C) They drank the same amount (D) Cannot be determined

Q32. A baker cuts a pie into 8 equal pieces. He sells 6 pieces. What fraction of the pie remains unsold?

(A) 6/8 (B) 2/8 (C) 8/6 (D) 8/2

Q33. When zero is subtracted from a number the difference is the _____.

(A) 0 (B) Number itself (C) 1 (D) 10

Q34. Find the odd one out:

(A) 3 × 8 (B) 4 × 6 (C) 2 × 12 (D) 5 × 5

Q35. _____ × 200 = 3000

(A) 15 (B) 50 (C) 150 (D) 100

Q36. Find the number that makes the statement true: 6000 − _____ = 2745

(A) 3255 (B) 3355 (C) 3245 (D) 3345

Q37. A number multiplied by 4 gives 36. The same number multiplied by 7 gives ___.

(A) 56 (B) 63 (C) 49 (D) 72

Q38. Which of the following is equal to 240 × 10?

(A) 24 × 10 (B) 120 × 20 (C) 12 × 20 (D) 24 × 20

Q39. Riya has 5 packets. Each packet has 12 stickers. She gives 8 stickers to her friend. How many stickers remain with her?

(A) 52 (B) 60 (C) 48 (D) 54

Q40. Riya has ₹5000. She buys a school bag for ₹1785 and a lunch box for ₹465. How much money is left with Riya?

(A) ₹2750 (B) ₹2250 (C) ₹2950 (D) ₹3215

Q41. What is the sum of 5900 + 1100?

(A) 7000 (B) 6800 (C) 5000 (D) 6900

Q42. A piggy bank contains only ₹5 coins. If the total value of these coins is ₹210, how many coins are there in the piggy bank?

(A) 40 (B) 50 (C) 42 (D) 72

Q43. If the cost of 8 pen holders is ₹4800, then each pen holder costs:

(A) ₹60 (B) ₹600 (C) ₹6 (D) ₹38400

Q44. If 1 pen costs ₹20, how many pens can you buy for ₹200?

(A) 5 pens (B) 8 pens (C) 10 pens (D) 12 pens

Q45. A rectangle is divided into 8 equal parts. If 3 parts are shaded, what fraction of the rectangle is NOT shaded?

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

Q46. Which number should be added to 2999 to get 5000?

(A) 1991 (B) 2001 (C) 2011 (D) 2101

Q47. A box contains 8 counters. Three are red, four are blue, and one is yellow. What fraction of the counters are NOT blue?

(A) 4/8 (B) 3/8 (C) 5/8 (D) 1/8

Q48. Ritu has three ₹100 notes, two ₹50 notes, and six ₹10 notes. If she spends ₹235 on a school bag, how much money is left with her?

(A) ₹225 (B) ₹275 (C) ₹285 (D) ₹255

Q49. Find the missing value: ₹75.00 - (₹12.50 + ₹24.25) =?

(A) ₹38.25 (B) ₹37.50 (C) ₹39.00 (D) ₹36.25

Q50. A lamp post is placed between a library and a playground. The lamp post is 145m away from the library and 245 m away from the playground. How far is the library from the playground?

(A) 370 cm (B) 460 m (C) 390 m (D) 450 cm

Q51. The sum of the cost of a pencil box and a notebook is ₹110. If the notebook costs ₹70, what is the cost of the pencil box?

(A) ₹35 (B) ₹40 (C) ₹45 (D) ₹50

Q52. Which of the following is different from the other three?

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

Q53. The difference between 80 tens and 7 hundreds is _____.

(A) 100 (B) 200 (C) 600 (D) 500

Q54. Which of the following gives the greatest difference?

(A) 8000 – 3456 (B) 7500 – 2985
(C) 9000 – 4765 (D) 6800 – 1234

Q55. When a certain number is divided by 14, the quotient is 12 and the remainder is 5. What is the number?

(A) 168 (B) 173 (C) 153 (D) 183

Q56. Piyush is 167 cm tall. His sister is 29cm shorter than Piyush. What is the total height of Piyush and his sister?

(A) 1m 38 cm (B) 1m 96 cm (C) 3m 5 cm (D)3m 50 cm

Q57. Aman walks to school every day. Which of the following best describes the distance he covers while walking to school?

(A) Kilogram (B) Litres (C) Kilometres (D) Hours

Q58. Priya goes to the market to buy 10 kg of rice, 4 kg of sugar and 3 kg of barley. Then she goes to a vegetable shop to buy 6 kg of carrots and 3 kg of potatoes. How much more food in kg does she buy at the market than the vegetable shop?

(A) 8 kg (B) 4 kg (C) 2 kg (D) 10 kg

Q59. A tank can hold 11 litres of water. It contains 5 litres of water. How much water is needed to fill the tank?

(A) 3 litres (B) 5 litres (C) 6 litres (D) 8 litres

Q60. If weight of 6 balls is 12g, then weight of each ball is _____.

(A) 14g (B) 2g (C) 5g (D) 6g