

# MuskMeadow

## MATHEMATICS QUEST

### ICSE CLASS 5 • FINAL EXAMINATION • SET 1

FULL MARKS: 100 | TIME: 2½ HOURS | ALL CHAPTERS

|                     |                      |
|---------------------|----------------------|
| Student Name: _____ | Class/Section: _____ |
| Roll No.: _____     | Date: _____          |

#### EXAM INSTRUCTIONS • READ FIRST

- Answer all questions and show working.
- Use Indian place-value notation unless stated otherwise.
- No calculator unless your school permits it.
- Draw neat graphs/diagrams where required.
- Check your paper before submission.

**CHAPTER COVERAGE:** Number System • Four Operations • Factors/Multiples • HCF/LCM • Fractions • Decimals • Ratio • Percentage • Money • Time • Measurement • Perimeter/Area • Geometry • Data Handling • Patterns • Symmetry

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## B. SKILL BUILDER • 20 MARKS

**21.** Arrange in ascending order: 45,678; 4,56,780; 45,786; 4,05,678. [2]

Answer / Working: \_\_\_\_\_

**22.** Find:  $7,84,205 + 2,16,795$ . [2]

Answer / Working: \_\_\_\_\_

**23.** Subtract 3,75,486 from 8,00,000. [2]

Answer / Working: \_\_\_\_\_

**24.** Find the HCF of 18 and 24. [2]

Answer / Working: \_\_\_\_\_

**25.** Find the LCM of 8 and 12. [2]

Answer / Working: \_\_\_\_\_

**26.** Add:  $2\frac{1}{4} + 1\frac{1}{2}$ . [2]

Answer / Working: \_\_\_\_\_

**27.** Subtract:  $5.75 - 2.48$ . [2]

Answer / Working: \_\_\_\_\_

**28.** A pencil costs ₹8. Find the cost of 15 pencils. [2]

Answer / Working: \_\_\_\_\_

**29.** Convert 3 m 45 cm into centimetres. [2]

Answer / Working: \_\_\_\_\_

**30.** Find the area of a rectangle  $12\text{ cm} \times 5\text{ cm}$ . [2]

Answer / Working: \_\_\_\_\_

### C. THINK & SOLVE • 24 MARKS

**31.** A library has 2,45,675 books. It buys 38,925 more and gives away 12,600. How many remain? **[3]**

Answer / Working: \_\_\_\_\_

**32.** Find  $3,406 \times 27$ . **[3]**

Answer / Working: \_\_\_\_\_

**33.** 9,600 pencils are packed equally into 24 boxes. How many per box? **[3]**

Answer / Working: \_\_\_\_\_

**34.** Compare  $\frac{5}{8}$  and  $\frac{3}{4}$  using a common denominator. **[3]**

Answer / Working: \_\_\_\_\_

**35.** Riya uses 2.75 m ribbon and 1.8 m ribbon. How much altogether? **[3]**

Answer / Working: \_\_\_\_\_

**36.** A number is divisible by both 6 and 8. What is the smallest such number? Explain. **[3]**

Answer / Working: \_\_\_\_\_

**37.** Find perimeter and area of a rectangle  $14 \text{ cm} \times 9 \text{ cm}$ . **[3]**

Answer / Working: \_\_\_\_\_

**38.** Marks are 12, 15, 18, 10 and 20. Find total and average. **[3]**

Answer / Working: \_\_\_\_\_

## D. APPLICATION ZONE • 16 MARKS

**39.** A family earns ₹45,000. They spend ₹18,500, ₹7,500 and ₹6,000. How much is left? [4]

Answer / Working: \_\_\_\_\_

**40.** A tank has 25 L 750 mL. Add 8 L 500 mL and use 6 L 250 mL. How much remains? [4]

Answer / Working: \_\_\_\_\_

**41.** A  $20\text{ m} \times 12\text{ m}$  garden has a 2 m wide path all around the inside. Find garden area, inner area and path area. [4]

Answer / Working: \_\_\_\_\_

**42.** Fruit survey: Mango 12, Apple 8, Banana 6, Orange 4. Find total and difference between most and least popular. Draw a bar graph. [4]

Answer / Working: \_\_\_\_\_

### E. MASTER CHALLENGE • 20 MARKS

**43.** 125 notebooks cost ₹48 each and 75 drawing books cost ₹36 each. Find total bill and change from ₹10,000. [5]

Answer / Working: \_\_\_\_\_

**44.** Meera walks 1.25 km in the morning and 850 m in the evening. Find total distance in metres and kilometres. [5]

Answer / Working: \_\_\_\_\_

**45.** A playground is  $30\text{ m} \times 18\text{ m}$ . A square flower bed of side 6 m is inside. Find both areas and the remaining area. [5]

Answer / Working: \_\_\_\_\_

**46.** Challenge: Using 0,2,5,7,9 once each, form the greatest and smallest 5-digit numbers and find their difference. [5]

Answer / Working: \_\_\_\_\_

## ANSWER KEY • SET 1 • 100 MARKS

1. 100,000
2. Seven lakh five thousand three hundred four.
3. 49,999
4. 1,00,000
5. 0.75
6. 0.6
7. 100
8. 12
9. 6, 12, 18, 24, 30
10. Yes.
11. 150 minutes
12. 3,000 g
13. 50
14. 2 : 3
15. 24 cm
16. 4
17. Square.
18. 6
19. 48
20. 4
21. 45,678; 45,786; 4,05,678; 4,56,780.
22. 10,01,000
23. 4,24,514
24. 6
25. 24
26.  $3\frac{3}{4}$
27. 3.27
28. ■120
29. 345 cm
30.  $60\text{ cm}^2$
31. 2,72,000 books.
32. 91,962
33. 400 pencils.
34.  $\frac{5}{8} = \frac{10}{16}$ ;  $\frac{3}{4} = \frac{12}{16}$ ; therefore  $\frac{3}{4}$  is greater.
35. 4.55 m
36. 24, the LCM of 6 and 8.
37. Perimeter = 46 cm; Area =  $126\text{ cm}^2$ .
38. Total = 75; Average = 15.

39. ■13,000

40. 28 L

41. Garden =  $240 \text{ m}^2$ ; inner =  $16 \times 8 = 128 \text{ m}^2$ ; path =  $112 \text{ m}^2$ .

42. Total = 30; difference = 8. Bar heights: 12, 8, 6, 4.

43. ■6,000 + ■2,700 = ■8,700; change = ■1,300.

44.  $2,100 \text{ m} = 2.1 \text{ km}$ .

45. Playground =  $540 \text{ m}^2$ ; flower bed =  $36 \text{ m}^2$ ; remaining =  $504 \text{ m}^2$ .

46. Greatest 97,520; smallest 20,579; difference 76,941.

**Think • Practise • Succeed**

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