P3 Mathematics Test

Time: 60 minutes Total: 100 marks

Name: _____ Class: _____ No.: _____

Instructions: Answer in the spaces provided. Show your working for word problems. All questions are newly written.

Part A Multiple-choice Questions (Choose the best answer) 20 marks

1. In 47 306, what is the value of the digit 7? (2 marks)

A. 7 B. 70 C. 700 D. 7 000

2. Which of the following is an odd five-digit number? (2 marks)

A. 9 998 B. 10 024 C. 31 517 D. 40 600

3. Estimate 318 × 3. Which answer is the closest? (2 marks)

A. 300 B. 600 C. 900 D. 1 200

4. What are the quotient and remainder when 725 is divided by 6? (2 marks)

A. 120 ··· 5 B. 121 ··· 1 C. 121 ··· 5 D. 125 ··· 1

5. What is 16 + 7 × 4? (2 marks)

A. 92 B. 44 C. 56 D. 36

6. Which fraction is equivalent to $\frac{1}{2}$? (2 marks)

A. $\frac{1}{4}$ B. $\frac{2}{4}$ C. $\frac{2}{6}$ D. $\frac{3}{8}$

7. Which unit is most suitable for measuring the height of a classroom door? (2 marks)

A. millimetres B. centimetres C. metres D. kilometres

8. How many grams are equal to 2 kg 30 g? (2 marks)

A. 230 B. 2 030 C. 2 300 D. 20 030

9. Which quadrilateral has exactly one pair of parallel sides? (2 marks)

A. square B. rectangle C. parallelogram D. trapezium

10. Which set of lengths can form a triangle? (2 marks)

A. 2, 3, 6 centimetres B. 3, 4, 5 centimetres C. 1, 2, 4 centimetres D. 2, 2, 5 centimetres

Part B Short-answer Questions 30 marks

11. Write 'sixty thousand and eighty-four' in numerals. (2 marks)

_____

12. Starting from 39 996, add 2 each time. Write the next three numbers. (2 marks)

_____

13. Calculate 246 × 3. (2 marks)

_____

_____

14. Calculate 864 ÷ 7. Give the quotient and remainder. (2 marks)

15. Calculate 3 500 - (846 + 975). (2 marks)

16. Calculate 28 + 36 × 5. (2 marks)

17. Fill in >, < or =: $\frac{1}{3}$ ____ $\frac{2}{6}$. (2 marks)

18. Calculate: $\frac{3}{8}$ + $\frac{2}{8}$. Give your answer as a fraction. (2 marks)

19. Calculate: $\frac{8}{9}$ - $\frac{3}{9}$. Give your answer as a fraction. (2 marks)

20. How many metres are equal to 4 km 250 m? (2 marks)

21. How many millimetres are equal to 7 cm 6 mm? (2 marks)

22. A jug holds 1 L 250 mL. How many millilitres is this? (2 marks)

23. Reading starts at 3:40 p.m. What time is it 35 minutes later? (2 marks)

24. Write 8:15 p.m. in 24-hour time. (2 marks)

25. One bag of rice weighs 5 kg. How much do three bags weigh? (2 marks)

Part C Shape and Space 12 marks

26. Write the most appropriate name for each shape. (4 marks)

(a) _____ (b) _____ (c) _____ (d) _____

27. Draw a pair of parallel lines in the grid and mark them with matching arrows. (2 marks)

28. An isosceles triangle has two equal sides of 7 cm and a third side of 10 cm. What is its perimeter? (2 marks)

_____

29. Three sticks are 4 cm, 4 cm and 7 cm long. Can they form a triangle? Circle: Yes / No. (2 marks)

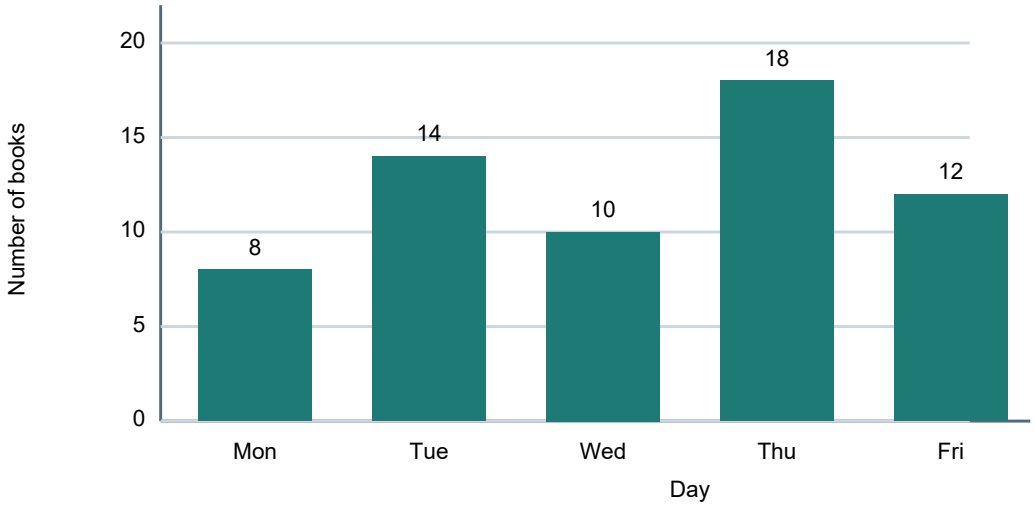
_____

30. Is a square a parallelogram? Circle: Yes / No. (2 marks)

_____

Part D Bar Chart 10 marks

The chart shows the number of mathematics books borrowed by Primary 3 Class 5 during one week.



31. On which day were the most books borrowed? (2 marks)

32. How many books were borrowed on Monday and Friday altogether? (2 marks)

33. How many more books were borrowed on Thursday than on Wednesday? (2 marks)

34. How many books were borrowed over the five days altogether? (2 marks)

35. If each division represents 2 books, how many divisions high should Tuesday's bar be? (2 marks)

Part E Word Problems (Show your working) 28 marks

36. A school orders 6 boxes of pencils, with 128 pencils in each box. How many pencils are ordered altogether? (4 marks)

37. 539 sweets are shared equally among 8 bags. What is the greatest number in each bag, and how many remain? (4 marks)

38. A supermarket sold 1 675 oranges in the morning and 438 fewer in the afternoon. How many oranges were sold altogether? (4 marks)

39. A bus leaves at 14:35 and the journey takes 50 minutes. What time does it arrive? (4 marks)

40. A tank contains 2 L of water. After 650 mL is poured out, how many millilitres remain? (4 marks)

41. A ribbon is 1 m 20 cm long. After 35 cm is cut off, how many centimetres remain? (4 marks)

42. A box contains 24 chocolates. Yan ate $\frac{3}{8}$ of the box, and Long ate $\frac{2}{8}$. (4 marks)

What fraction of the box did they eat altogether? How many chocolates remain?