P4 Mathematics Practice Paper: Large Numbers and Four Operations, Fractions and Decimals, Perimeter and Area, Time and Speed, Coordinates and Shapes, Data Handling and Word Problems

P4 | Mathematics | Time: 60 minutes | Total: 100 marks | 24 questions

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Part A: Large Numbers and Four Operations (16 marks)

Show your working; use column form where needed.

1. In the number 4,857,392, which digit is in the millions place and what is its place value? [4]

2. Calculate 25 x 36 + 480 / 8. [4]

3. 7,368 apples are shared equally among 24 classes. How many apples does each class get, and is anything left over? [4]

4. Round 6,847,251 to the nearest ten thousand. [4]

Part B: Fractions and Decimals (16 marks)

Give fractions in their simplest form.

5. Reduce 18/24 to its simplest form. [4]

6. Calculate 3/8 + 1/4 and give the answer in its simplest form. [4]

7. Calculate 5/6 - 1/3 and give the answer in its simplest form. [4]

8. Calculate 3.6 + 2.75 and write the answer as a decimal. [4]

Part C: Perimeter and Area (17 marks)

Give the unit in every answer.

9. A rectangle is 12 cm long and 7 cm wide. Find its perimeter and its area. [4]

10. A square has an area of 144 cm2. Find its side length and its perimeter. [4]

11. A triangle has a base of 14 cm and a height of 9 cm. Find its area. [4]

12. A poster is 20 cm by 12 cm. A rectangle 6 cm by 5 cm is cut out of the middle. What area is left? [5]

Part D: Time, Speed and Journeys (17 marks)

Give times in hours and minutes.

13. How much time passes from 8:45 to 11:20 in the morning? [4]

14. A bus travels 240 km in 3 hours. What is its average speed? [4]

15. A van travels at 65 km/h for 4 hours. What distance does it cover? [4]

16. Ming travels 120 km in 2 hours and returns along the same road in 3 hours. Find the average speed for the whole trip. [5]

Part E: Coordinates, Angles and Shapes (17 marks)

Give angles in degrees.

17. Point A is at (3, 5). Move 4 units right and 2 units down. What are the coordinates of the new point? [4]

18. Two adjacent angles lie on a straight line. One of them is 68 degrees. What is the other? [4]

19. A triangle has two angles of 45 degrees and 65 degrees. Find the third angle. [4]

20. How many lines of symmetry does a square have, and how many does a rectangle have? What is the total? [5]

Part F: Data Handling and Word Problems (17 marks)

Write an expression for each word problem.

21. Ming scores 78, 85, 90 and 71 in four tests. What is his average score? [4]

22. A bar chart shows favourite fruit: apple 24 pupils, banana 18, orange 30, pear 12. How many pupils were surveyed? [4]

23. Each notebook costs $18.5. May buys 6 and pays with $200. How much change does she get? [4]

24. A class has 36 pupils and 5/9 of them are girls. How many girls and how many boys are there? [5]
