

香港小四數學練習卷

小四 數學 | 時限：45 分鐘 | 總分：100 分 | 共 16 題

甲部 短答題 (8 題，每題 3 分)

計算下列各題。

1. Work out 46×27 .

答案： $46 \times 27 = 1242$

2. Work out $936 \div 8$.

答案： $936 \div 8 = 117$

3. Find the HCF and the LCM of 36 and 48.

答案： HCF = 12, LCM = 144 (list the factors / multiples or use prime factorisation).

4. Simplify $18/24$. Give the answer in its simplest form.

答案： $18/24 = 3/4$ (divide both the numerator and the denominator by 6).

5. Work out $7.6 + 3.85$.

答案： $7.6 + 3.85 = 11.45$ (align the decimal points).

6. Work out $12.4 - 5.75$.

答案： $12.4 - 5.75 = 6.65$ (borrow from the ones).

7. A rectangle is 18 cm long and 9 cm wide. Find its perimeter.

答案： $(18 + 9) \times 2 = 54$ cm

8. A square has sides of 12 cm. Find its area.

答案： $12 \times 12 = 144$ cm²

乙部 應用題 (5 題，每題 8 分)

列出算式，並寫出答案及單位。

9. A shop packs 1248 pens equally into boxes of 24 pens each. How many boxes are needed?

答案： $1248 \div 24 = 52$ boxes. (1 mark for the correct operation, 1 for the working, 1 for the answer.)

10. May read $2/5$ of a book on Monday and $1/5$ of the book on Tuesday. What fraction of the book is still unread?

答案： Read: $2/5 + 1/5 = 3/5$. Unread: $1 - 3/5 = 2/5$ of the book. (2 marks each step, 1 for the unit "of the book".)

11. Bus A leaves the terminus every 12 minutes and Bus B every 18 minutes. Both leave together at 09:00. When will they next leave together?

答案： LCM of 12 and 18 = 36 minutes. 09:00 + 36 minutes = 09:36.

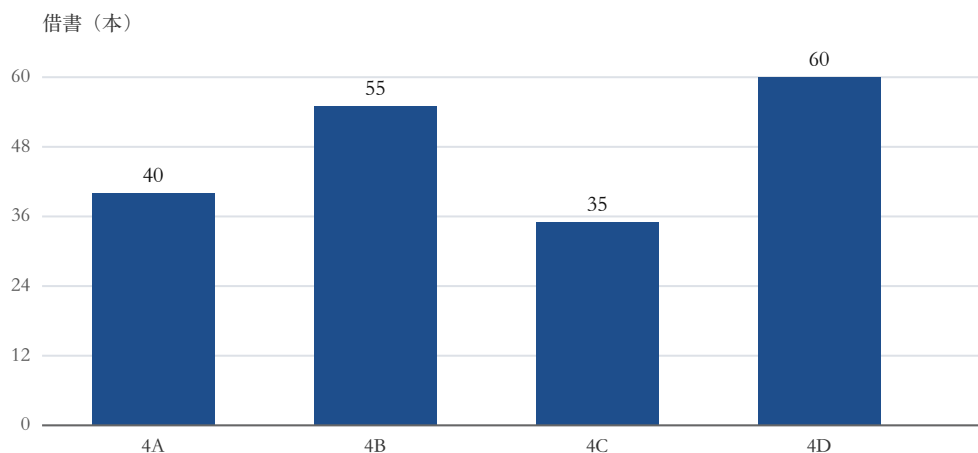
12. Ken buys 3 books at \$42.50 each and pays with a \$200 note. How much change does he get?

答案：Cost: $\$42.50 \times 3 = \$127.50$. Change: $\$200 - \$127.50 = \$72.50$.

13. A playground is 25 m long and 16 m wide. Find (a) its perimeter and (b) its area.

答案：(a) $(25 + 16) \times 2 = 82$ m. (b) $25 \times 16 = 400$ m². Units must be correct: m for perimeter, m² for area.

丙部 數據與綜合題 (3 題，每題 12 分)



圖一：四班一星期到圖書館借書的數量 (本，示例數據)

根據圖表及題意作答，須列出算式。

14. The bar chart shows the number of library books borrowed by four classes in one week.

(a) How many books were borrowed altogether? (b) How many more books did 4D borrow than 4C? (c) Find the mean number of books borrowed per class.

答案：(a) $40 + 55 + 35 + 60 = 190$ books. (b) $60 - 35 = 25$ books. (c) $190 \div 4 = 47.5$ books per class.

15. A tank holds 4.5 L of water. Water is poured into bottles of 0.75 L each until the tank is empty.

(a) How many bottles are filled? (b) Two bottles are spilt afterwards. How many millilitres of water are left?

答案：(a) $4.5 \div 0.75 = 6$ bottles. (b) Spilt: $2 \times 0.75 = 1.5$ L; left: $4.5 - 1.5 = 3$ L = 3000 ml. (1 mark for the unit conversion.)

16. A rectangular floor is 96 cm by 72 cm. It is covered completely by square tiles of the same size, using the largest possible tiles.

(a) What is the side length of each tile? (b) How many tiles are used? (c) If each tile costs \$18, what is the total cost?

答案：(a) HCF of 96 and 72 = 24 cm. (b) $(96 \div 24) \times (72 \div 24) = 4 \times 3 = 12$ tiles. (c) $12 \times \$18 = \$216$.