

PSLE Maths: Free Sample

9 questions · 29 marks · about 40 minutes

Name: _____ Class: _____ Date: _____

Instructions

- Paper 1 style (Q1 to Q4): no calculator. For Q1 and Q2, write the number of the correct option in the brackets. [2 marks each]
- Paper 2 style (Q5 to Q9): a calculator may be used. Show your working and write the value for each step. Correct steps earn marks even if the final answer is wrong.
- Units are already shown after each answer line, so just write the number. In the interactive version you can also type cm², m² or sq m and it will still be marked correctly.
- Want instant marking, Practice mode and mastery badges? Use the interactive version on a phone, tablet or computer.

Paper 1 style

Q1**Paper 1** Ratio of three quantities**[2 marks]**

$A : B = 2 : 3$ and $B : C = 4 : 5$. What is $A : B : C$ in its simplest form?

- | | |
|--------------------|-------------------|
| (1) $2 : 4 : 5$ | (2) $8 : 12 : 15$ |
| (3) $11 : 12 : 13$ | (4) $2 : 3 : 5$ |

Ans: ()**Q2****Paper 1** Two percentage changes in a row**[2 marks]**

The price of a bicycle was increased by 20%. A month later, the new price was decreased by 20%. The final price is what percentage of the original price?

- | | |
|----------|----------|
| (1) 100% | (2) 80% |
| (3) 96% | (4) 104% |

Ans: ()

Q3**Paper 1** Average: removing a number**[2 marks]**

The average of 5 numbers is 18. When one of the numbers is removed, the average of the remaining numbers is 16. What is the number that was removed?

Working

Ans: _____**Q4****Paper 1** Algebra: substitution**[2 marks]**

Find the value of $\frac{5y + 12}{3} - y$ when $y = 6$.

Working

Ans: _____

Paper 2 style

Q5

Paper 2 Percentage with an unchanged quantity

[4 marks]

At first, 40% of the members of a chess club were girls. After 30 boys joined the club, 25% of the members were girls. No one left the club and no other members joined. How many members did the club have in the end?

Working

Step 1: How many girls are there in the club? [1 mark] _____ girls

Step 2: How many boys were there at first? [1 mark] _____ boys

Final answer: How many members did the club have in the end? [2 marks] _____ members

Q6

Paper 2 Age problem: unchanged difference

[4 marks]

Ken is 8 years old and his father is 38 years old. In how many years' time will his father be 3 times as old as Ken?

Working

Step 1: What is the difference between their ages? [1 mark] _____ years

Step 2: How old will Ken be at that time? [1 mark] _____ years old

Final answer: In how many years' time? [2 marks] _____ years

Mrs Tan has some stickers for her class. If she gives each pupil 5 stickers, she will have 14 stickers left. If she gives each pupil 7 stickers, she will be short of 10 stickers. How many stickers does Mrs Tan have?

Working

Step 1: How many more stickers are needed in the second case than she gives out in the first case? [1 mark]

_____ stickers

Step 2: How many pupils are there? [1 mark]

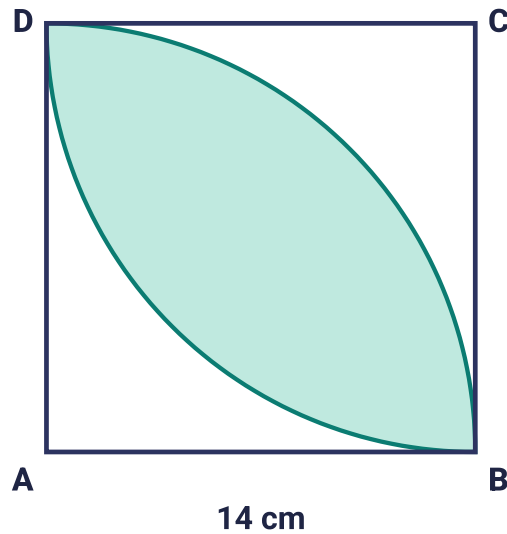
_____ pupils

Final answer: How many stickers does Mrs Tan have? [2 marks]

_____ stickers

The figure shows a square ABCD of side 14 cm. Two quarter circles are drawn inside the square, one with centre A and the other with centre C. Find the area of the shaded part.

Take $\pi = \frac{22}{7}$.



The figure is not drawn to scale.

Working

Step 1: What is the area of one quarter circle? [1 mark] _____ cm²

Step 2: What is the area of ONE unshaded corner part of the square? [1 mark] _____ cm²

Final answer: What is the area of the shaded part? [2 marks] _____ cm²

Jim and Kelly had 1,080 stamps altogether. Jim gave $\frac{1}{4}$ of his stamps to Kelly. Then Kelly gave $\frac{1}{3}$ of the stamps she had to Jim. In the end, they had the same number of stamps. How many stamps did Jim have at first?

Working

Step 1: How many stamps did each of them have in the end? [1 mark] _____ stamps

Step 2: How many stamps did Kelly have just before she gave stamps to Jim? [1 mark] _____ stamps

Step 3: How many stamps did Jim have just after he gave stamps to Kelly? [1 mark] _____ stamps

Final answer: How many stamps did Jim have at first? [2 marks] _____ stamps

End of sample. Check your answers with the separate Answers and Worked Solutions sheet. Want more? Get the full MarkSmart pack: <https://www.carousell.sg/p/p5-mathematics-practice-paper-with-auto-mark-and-solutions-1468633374/>