

2025 – 2026 1B Mathematics Chapter Test
Textbook 1A Chapter 4

Name: _____ Class: _____ Class Number: _____ Marks: _____ / 32

****Complete ALL Questions with appropriate steps in the spaces provided.****

1. Solve the following equations.

(a) $11x + 28 = 6$

(3 marks)

(b) $3 - \frac{g}{6} = -5$

(3 marks)

(c) $\frac{6+5k}{7} = 8$

(3 marks)

(d) $7b - 27 = 4b$

(3 marks)

(e) $1 - 5x = 7x + 7$

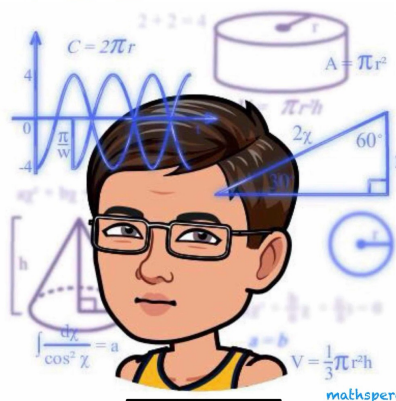
(3 marks)

(f) $4(z + 6) = z$

(3 marks)

(g) $5(a + 5) = 2(-5 + 2a)$

(3 marks)



2. Solve the equation $4x = 6 + \frac{2x+2}{3}$.

(3 marks)

3. Dickson pays \$890 for 3 shirts and 2 pairs of trousers. The price of each pair of trousers is \$10 less than two times of a shirt. Let \$ x be the price of a shirt.

(a) Express the price of 2 pairs of trousers in terms of x .

(1 mark)

(b) Find the price of a shirt.

(3 marks)

****Each of the multiple choices questions carries 2 marks. Choose the best answer for each question.****

5. Solve the equation $\frac{k}{8} - \frac{4+k}{24} = 5$.

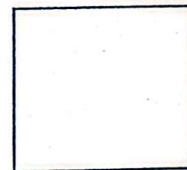
(2 marks)

A. $k = 29$

B. $k = 31$

C. $k = 58$

D. $k = 62$



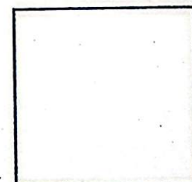
6. Ann is now n years old. Her father's age is larger than hers by 30. If her father's age is also less than 3 times the age of Ann by 6, find the value of n .

A. 12

B. 16

C. 18

D. 20



END OF PAPER