EXAM-STYLE CLASS TEST

MARKS	DURATION	QUESTIONS
30	45 minutes	3

Name: _____ Class: _____

Date: _____

MARK ____ / 30

INSTRUCTIONS AND INFORMATION

1. Answer **ALL** the questions in this question paper.
2. Answer QUESTION 1 by **circling** the letter (A–D) in the answer grid at the end of that section.
3. Show **ALL** calculations clearly.
4. Show all units where applicable.
5. Number the answers correctly according to the numbering system used in this question paper.
6. A non-programmable calculator may be used, unless stated otherwise.
7. Write neatly and legibly.

QUESTION 1 [10 MARKS]

Four options are given as possible answers to the following questions. Choose the correct answer and circle the letter (A–D) in the grid at the end of this section. If you want to change your choice, put a cross through the wrong letter and circle your new choice.

1.1 Solve for x: $3x - 7 = 14$ (1)

A) 7 **B)** -7
C) 21 **D)** 2,33

1.2 Solve for x: $2(x + 3) = 16$ (1)

A) 6,5 **B)** 5
C) 13 **D)** 8

1.3 Solve for x: $5x - 3 = 2x + 12$ (1)

A) 3 **B)** 15
C) 1,8 **D)** 5

1.4 Solve for x: $\frac{x}{4} = 6$ (1)

A) 2 **B)** 10
C) 1,5 **D)** 24

1.5 Solve for x: $-2x = 10$ (1)

A) -5 **B)** 8
C) 5 **D)** -20

1.6 When a term is moved across the equals sign, its ... (1)

A) value doubles **B)** sign stays the same

C) SIGN changes **D)** value halves

1.7 Three consecutive integers add up to 39. The SMALLEST is ... (1)

A) 12 **B)** 11

C) 13 **D)** 39

1.8 Solve for x: $\frac{2x+1}{3} = 5$ (1)

A) 2 **B)** $7{,}5$

C) 7 **D)** 8

1.9 A number is doubled and 7 is added, giving 31. The number is ... (1)

A) 24 **B)** 12

C) 19 **D)** 38

1.10 If $4x = 0$, then $x = ...$ (1)

A) undefined **B)** -4

C) 4 **D)** 0

ANSWER GRID — CIRCLE YOUR ANSWERS FOR QUESTION 1

1.1	A	B	C	D
1.2	A	B	C	D
1.3	A	B	C	D
1.4	A	B	C	D
1.5	A	B	C	D
1.6	A	B	C	D
1.7	A	B	C	D
1.8	A	B	C	D
1.9	A	B	C	D
1.10	A	B	C	D

QUESTION 2 [10 MARKS]

Solve for x. Show ALL your steps.

2.1 $6x - 5 = 2x + 11$ (3)

2.2 $5(x-3)=2(x+3)$ **(4)**

2.3 $10-3x=1$ **(3)**

QUESTION 3 [10 MARKS]

Solve for x, and then answer the word problem.

3.1 $\frac{x}{3}+2=5$ **(3)**

3.2 $12-5x=2x-2$ **(3)**

3.3 The sum of three consecutive whole numbers is 51. Set up an equation and determine the three numbers. **(4)**

TOTAL: 30 marks

This question paper consists of 3 questions.

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