EXAM-STYLE CLASS TEST

MARKS	DURATION	QUESTIONS
32	50 minutes	3

Name: _____ Class: _____

Date: _____

MARK ____ / 32

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 Calculate: $5 + 3 \times 4$ (1)

A) 20 **B)** 17
C) 32 **D)** 12

1.2 Calculate: $20 - 8 \div 2$ (1)

A) 6 **B)** 4
C) 16 **D)** 12

1.3 Calculate: $(6 + 2)^2 \div 4$ (1)

A) 4 **B)** 10
C) 64 **D)** 16

1.4 Calculate: $4^2 - 6 \div (-2)$ (1)

A) 11 **B)** -5
C) 13 **D)** 19

1.5 In BODMAS, which pair is worked from LEFT TO RIGHT as they appear? (1)

A) orders and addition **B)** division and multiplication
C) addition and brackets **D)** brackets and orders

1.6 Calculate: $18 \div (3 + 6) \times 2$ (1)

A) 4 **B)** 1
C) 9 **D)** 12

1.7 Calculate: $3 + 2 \times (8 - 5)^2$ (1)

A) 39 **B)** 81

C) 21 **D)** 45

1.8 Which one of the following equals 10? (1)

A) $20 - 4 \times 2$ **B)** $(2 + 4) \times 2$

C) $2 + 4 \times 2$ **D)** $2 \times 4 - 2$

1.9 A learner writes $12 - 4 + 3 = 5$. The mistake is that they ... (1)

A) subtracted twice **B)** should have multiplied

C) should have used brackets **D)** did the ADDITION before the subtraction

1.10 Calculate: $\sqrt{36} + 2 \times 3^2$ (1)

A) 24 **B)** 144

C) 72 **D)** 42

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 [11 MARKS]

Calculate the following WITHOUT using a calculator. Show the order in which you worked.

2.1 $3^2 + 4 \times 2 - 5$ (3)

2.2 $50 - 2(3 + 4)^2$ **(4)**

2.3 $\dfrac{18 - 3 \times 4}{2^2 - 1}$ **(4)**

QUESTION 3 [11 MARKS]

Answer the questions below.

3.1 Calculate: $\dfrac{-6 + 3(-4) - 3(4)}{(2 + 3)(-3)}$ **(4)**

3.2 Insert brackets to make each statement true: **(4)**

$(a)\ 4 + 6 \div 2 = 5 \quad (b)\ 3 \times 2 + 5 = 21$

3.3 Two learners calculate $2 + 3 \times 4$. Thabo gets 20 and Naledi gets 14. State who is correct and explain the other's mistake. **(3)**

TOTAL: 32 marks

This question paper consists of 3 questions.

© Danemathics — free to print and share for classroom use.