EXAM-STYLE CLASS TEST

MARKS	DURATION	QUESTIONS
35	55 minutes	3

Name: _____ Class: _____

Date: _____

MARK ____ / 35

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 $\frac{2}{3} \times \frac{3}{5} = \ldots$ (1)

A) $\frac{5}{8}$ **B)** $\frac{6}{8}$

C) $\frac{10}{9}$ **D)** $\frac{2}{5}$

1.2 $\frac{3}{4} \div \frac{1}{2} = \ldots$ (1)

A) $\frac{3}{2}$ **B)** $\frac{3}{8}$

C) $\frac{8}{3}$ **D)** $\frac{4}{6}$

1.3 $\frac{2}{5}$ of R250 is ... (1)

A) R50 **B)** R625

C) R150 **D)** R100

1.4 Dividing a number by $\frac{1}{2}$ gives an answer that is ... (1)

A) a quarter of the number **B)** double the number

C) half of the number **D)** the number itself

1.5 $\frac{1}{3} \times \frac{3}{7} = \ldots$ (1)

A) $\frac{3}{21}$ **B)** $\frac{7}{9}$

C) $\frac{4}{10}$ **D)** $\frac{1}{7}$

1.6 A recipe needs $\frac{3}{4}$ cup of flour. How much is needed for HALF the recipe? (1)

A) $1\frac{1}{2}$ **B)** $\frac{1}{4}$

C) $\frac{3}{8}$ **D)** $\frac{3}{2}$

1.7 $6 \div \frac{1}{3} = \ldots$ (1)

A) 18 **B)** 2

C) $\frac{1}{18}$ **D)** $\frac{1}{2}$

1.8 Which one of the following gives the LARGEST answer? (1)

A) $12 \times \frac{1}{2}$ **B)** $12 - \frac{1}{2}$

C) $12 \div \frac{1}{2}$ **D)** $12 \times \frac{1}{4}$

1.9 A plank 4 m long is cut into pieces each $\frac{2}{3}$ m long. How many pieces are there? (1)

A) 12 **B)** 6

C) 2 **D)** 8

1.10 $\frac{2}{3} \times 9 = \ldots$ (1)

A) $\frac{18}{3}$ **B)** 6

C) $13\frac{1}{2}$ **D)** $\frac{2}{27}$

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

[12 MARKS]

Calculate the following WITHOUT using a calculator. Remember the order of operations, and leave your answers in the simplest form.

2.1 $\frac{2}{3} \times \frac{3}{4} \div \frac{1}{2}$ **(4)**

2.2 $1\frac{1}{4} \times \frac{2}{5} + \frac{1}{2}$ **(4)**

2.3 $(\frac{2}{3} + \frac{1}{6}) \times \frac{4}{5}$ **(4)**

QUESTION 3 [13 MARKS]

Answer the word problems below. Show ALL your working.

3.1 How many $1\frac{1}{3}$ litre jugs can be filled from $4\frac{2}{3}$ litres? **(4)**

3.2 In a school of 200 learners, $\frac{3}{5}$ take Mathematics. Of the learners who do NOT take Mathematics, $\frac{1}{4}$ take Art. Calculate how many learners take Art. **(5)**

3.3 Explain why dividing a positive number by a fraction between 0 and 1 gives an answer BIGGER than the number you started with. **(2)**

3.4 Write down the reciprocal of $1\frac{2}{3}$. **(2)**

TOTAL: 35 marks

This question paper consists of 3 questions.

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