QUESTION 1 **[5 MARKS]**

You are given three possible answers to the following questions. Write down the corresponding letter of the correct answer.

1.1. -5 x (8 – 10) – 10 =

A. -20 B. 20 C. 0

1.2. What number can you multiply 50 to get 1 000

A. 200 B. 20 C. 50

1.3. 100 x 10 + 100 x 9 =

A. 1 090 B. 1 009 C. 1 900

1.4. $(0,1)^3$ =

A. 0,001 B. 0,3 C. 0,1

1.5. $\sqrt{0,04}$ =

A. 2 B. 0,2 C. 0,02

QUESTION 2 WHOLE NUMBERS **[14 MARKS]**

2.1 List the prime numbers between 725 and 730 (1)

2.2 Find the **HCF** and **LCM** of **120** and **150**. (4)

2.3 In a class of 80 learners, the ratio of girls to boys is $3:5$. How many girls are there in a class? (3)

2.4 Marry wants to buy a laptop. She takes out a loan of R8 000 at 12% per annum for 2 years.

2.4.1 Calculate the simple interest using the formula $i = \frac{prt}{100}$. (2)

2.4.2. What is the final amount she has to pay back? (2)

2.5 Themba travels for 52 km in 2 hours by bicycle in his weekend cycling. Calculate his average speed. (2)

QUESTION 3 INTEGERS **[11 MARKS]**

3.1 5 - 1 000 =…….. (1)

3.2. The additive inverse 8 324 is…… (1)

3.3 -18- (-12) (1)

3.4. (- 1 000) ÷ (- 125) = ……. (2)

3.5. 4 – [2 x 30 ÷ 5 + 3($-12 \div 4$)] (3)

3.6 $\sqrt{120+24}$ - $\sqrt[3]{27}$ (3)

QUESTION 4 COMMON FRACTIONS [11 MARKS]

4.1. A whole birthday cake is divided equally between Zacha's 8 friends. What fraction does each one receive? (1)

4.2 Calculate $(\frac{3}{4})^3$ (2)

4.3 $2\frac{3}{4}$ x $3\frac{2}{5}$ (2)

4.4 $1\frac{2}{3} \div 5\frac{5}{9}$ (2)

4.5. Determine the amount of salary increase by 9% of R10 000 (2)

4.6. $\frac{6}{7}$ x $\frac{1}{2}$ - $\frac{6}{7}$ x $\frac{1}{3}$ (2)

TOTAL MARKS = 41