



JOHN EDMONDSON HIGH SCHOOL

Assessment Notification

Faculty: Mathematics Course: Stage 4 Year: 7

Assessment Task: 2 for 7T, 7O, 7B, 7R, 7U

Assessment Weighting: 30% Due: Term 2 Week 2 Date: 4/05/2023

Task Type: Hand in Task In Class Task Practical Task

Outcomes assessed (NESA)

MA4-5NA, MA4-8NA, MA4-10NA, MA4-1WM, MA4-2WM, MA4-3WM

PLEASE NOTE: further information related to these codes can be found on the NESA website

Task Description/Overview

This in class written examination will consist of short answer questions.
No reference material is allowed during the examination
Time allowed: 45 Minutes (within 1 Period)
Equipment Required: Black Pen, ruler.
Note: Calculators are not allowed to be used in this examination.

Detailed Assessment Task Description

Students will be asked questions relating to the following topics:

1. Whole Number

Read, write, and order numbers of any size; state the place value of each digit in numbers of any size; record numbers of any size using expanded notation; determine factors and multiples of whole numbers and LCM and HCF; identify and describe prime and composite numbers; express numbers as a product of prime factors using factor trees; identify square and triangular numbers; apply the order of operations; apply associative, commutative, and distributive laws to aid mental computation; use mathematical symbols to show meaning of worded expressions (sum, difference, product, quotient etc.); apply the four operations with positive integers; recognize abbreviations of numbers in everyday contexts; round numbers to a specified place value.

2. Patterns & Algebra

Continue, create, record, and describe geometric and number patterns in words; determine the rule for geometric and number patterns in words and use the rule to calculate further values; write down in words a rule that describes the relationships between two variables; use a worded rule to complete a table of values; use a worded rule to find particular terms in a pattern; determine the rules from a table of values; introduce using letters to represent number patterns; use algebraic conventions to abbreviate expressions; use algebraic symbols to represent mathematical operations written in words and vice versa; use algebraic rules to complete tables of values; generate a number pattern from an algebraic expression.

3. Fractions

State the fraction of a figure that has been shaded; identify the numerator and denominator of a fraction; Identify proper fractions, improper fractions, and mixed numerals; express mixed numerals as improper fractions and vice versa; write down a fraction or mixed numeral that has been placed on a number line; add and subtract fractions that have a common denominator; represent, compare, and order fractions with denominators, 2, 3, 4, 5, 6, 8, 10, 12, and 100; determine, generate, and record equivalent fractions; write fractions in their simplest form; place positive fractions and mixed numerals on a number line to compare their relative values (arrange in ascending/descending order); convert between improper fractions and mixed numerals and vice versa; express mixed numerals as improper fractions and vice versa; express one quantity as a fraction of another; add and subtract fractions that have same and different denominators; add and subtract mixed numerals; interpret fractions and mixed numerals on a calculator display, multiply and divide fractions.

Test/Examination Structure	
Section Description	Marks Available
Whole Numbers	10
Patterns and Algebra	10
Fractions	30
Total Marks for this task	50

Satisfactory completion of courses

A course has been satisfactorily completed, when the student has:

- Followed the course developed/endorsed by the NSW Educational Standards Authority (NESA)
- Applied himself/herself with diligence and sustained effort to the set tasks and experiences provided in the course.
- Achieved some or all of the course outcomes