

MATHEMATICS

FIRST TERM JSS 3

WEEK	TOPIC / CONTENT	ACTIVITIES
1	BINARY NUMBERS i. Addition and subtraction of binary numbers ii. Multiplication and division of binary numbers iii. Solving Quantitative Reasoning problems on binary numbers.	Students: i. Add binary numbers ii. Subtract binary numbers iii. Multiply binary numbers iv. Divide given binary numbers v. solve Quantitative Reasoning problems Instructional Resources: Flash cards
2	BINARY NUMBERS CONT. i. Conversion from base ten to binary ii. Conversion from binary to other bases. iii. Applying binary numbers as two way classification system using punch card. iv. Using computer to do simple mathematical calculations.	Students a. change numbers from base 10 to base 2. b. change base 2 numbers to base 10 or any required base. Instructional Resources: a. Flash cards showing a typical conversion from base 10 to base 2. b. Punch cards.
3	DIRECT AND INVERSE PROPORTION i. Direct proportion ii. Indirect proportion iii. Apply direct and inverse proportions to practical problems.	STUDENTS: i. Solve problems on direct and inverse proportion including practical problems. Instructional Resources: Direct and inverse proportions chart
4	RATIONAL AND NON-RATIONAL NUMBERS i. Identifying rational and non-rational numbers. ii. Determining the approximate value of some non-rational numbers. iii. Determining the approximate value of π . iv. Finding reciprocals.	Students: a. Identify rational numbers amongst a set of given numbers. b. Determine practically the approximate value of some non-rational numbers. Instructional Resources: Chart showing some non-rational numbers.
5	PLANE FIGURES Problems in measurement involving: i. Area of triangles ii. Area of parallelograms iii. Area of trapezium iv. Area of circles and sectors v. Word problems involving area.	Students: a. Derive formula for area of triangles. b. Use formula to find the area of parallelograms, trapezia and circles. c. Solve Quantitative problems on areas. Instructional Resources: Models of indicated shapes (Triangles, Circles etc.)
6	FACTORIZATION OR ALGEBRAIC EXPRESSION Factorization of expressions of the form: i. $ax+ay$ ii. $3m+pq+3p+mq$ iii. $a^2 - b^2$ iv. $a^2 - 2ab + b^2$ v. Word problems involving factorization.	Students: a. Factorize simple algebraic expressions b. Use the quadratic equation box to factorize quadratic expression. Instructional Resources: a. Quadratic equation box b. Flash cards of problems
7	EQUATIONS INVOLVING FRACTIONS	Students:

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WJ Hussar



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The Journal of Education ,1900 **Daily Graphic** Elvis D. Aryeh,1997-01-22 *West Africa* ,1992 Daily Graphic
Elvis Aryeh,2000-02-11 "The" Athenaeum ,1893 *Daily Graphic* Yaw Boadu-Ayeboafah,2006-02-09 **The Scottish**
Educational Journal ,1947 **Daily Graphic** Sam Clegg,1992-08-13 **Commonwealth Universities Yearbook** T.
Craig,Hugh W. Springer,1979 **The City of London Year Book and Civic Directory for ...** ,1914 Data Archive
Bulletin ,1997 □□□□□□□□ ,2005 Mathematics ,2015 **Math Workshop, Grade 3** Erin McCarthy,2018-01-12 Math
Workshop for third grade provides complete small group math instruction for these important topics multiplication division
fractions area quadrilaterals Simple and easy to use this teacher resource for third grade math teachers complements any
curriculum Like reading and writing workshops math workshop is an instructional model that combines whole group lessons
with leveled guided math groups and independent practice It allows teachers to give students direct leveled instruction while
providing opportunities for practice and skill review Math Workshop for third grade simplifies the workshop method with a
comprehensive introduction and over 25 step by step lessons This teacher resource for third grade math also includes these
helpful features comprehensive lesson plans leveled practice pages hands on activities for every lesson The Math Workshop
series for kindergarten through fifth grades gives teachers everything they need to implement the math workshop method
Each book contains 28 complete lessons a thorough introduction and reproducible game templates Each lesson begins with
an essential question a warm up activity and a whole group lesson It is followed by three leveled small group lessons and a
short assessment Lessons are rounded out with a practice worksheet for each small group and an activity to practice the skill
Teachers are also provided with math talk questions and a math journal prompt to extend learning The Math Workshop
series gives teachers the flexible tools needed to begin small group math instruction *Mathematics for Primary Three*
Fayez Mourad Mena,Kawsar H. Kochak,Mohamed Amin Mofty,Egypt. Wizārat al-Tarbiyah wa-al-Ta'lim. Book Sector,1999
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Term 2 Mathematical Reasoning **Learnikx Workbook Grade 3 Term 3 Mathematical Reasoning** Sibashis
Nanda,2021-04-30 Learnikx Workbook Grade 3 Term 3 Mathematical Reasoning **Grade 3: Mathematics Planner and**
Tracker (2015 Term 3). , **Math Course 3 New York** Mcdougal Littell,2006-11-27 **Balanced Guided Math for**
Third Grade Angela Bauer,2013-08-10 **Balanced Guided Math for Third Grade Instruction and Lesson Plans for The First 22**
Days and Beyond explains how to set up a balanced mathematics classroom format based on guided math techniques This
resource manual contains actual lesson plans for second grade teachers to integrate and implement Guided Math Groups
according to Common Core State Standards If fact Angela purposefully designed this in a binder format so this tool will
continue to be a teacher s best resource for The First 22 Days and Beyond for every school year The beginning 7 chapters of
this resource book discuss each of the six components of Balanced Guided Math provide the background knowledge

educators need to implement Balanced Guided Math techniques describe practical explanation of strategies and schedules that work in guided math classrooms contain all of the How to teachers need to get started include the author s fifteen years of research and development The final 5 chapters include the exact lesson plans for 22 days for Second Grade teachers according to Common Core State Standards guide teachers for planning for the rest of the year detail the steps to successfully train students in the procedures and behaviors in Balanced Guided Math Groups utilize the specific math strategies for the entire year are designed as a lesson plan book that can be used with any math curriculum series are organized in a binder format so teachers can add in any specific worksheets they use

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temperature of 15 c since the speed of sound increases as the temperature increases we must determine the speed of the waves at 15 c this can be found with the formula

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web solution velocity of observer $v_o = 5 \text{ m/s}$ velocity of sound $v_s = 340 \text{ m/s}$ according to doppler's effect frequency f_v over $v_s + v_o$ $f = 335 \text{ Hz}$ $335 \times 340 / 340 + 5 = 324.26 \text{ Hz}$ example solve problems on doppler effect where non linear motion is