

SHARP

Worksheet 26: Revision Term 1

Grade 9 Mathematics

1. Complete the table by ticking the correct columns for each number

Number	R	R'	Q	Q'	Z	N	N _c
0	✓		✓				✓
π	✓			✓			
0.56	✓		✓				
8	✓		✓			✓	
$\sqrt{-2}$	✓		✓				
$\sqrt[3]{-8}$	✓		✓		✓		
$\sqrt{3}$	✓		✓				
$\frac{14}{0}$		✓	✓				
-3	✓		✓		✓		
4.8	✓		✓				

2. Give the prime factors of these numbers (use either the ladder or tree method).

a) 804

b) 312

c) 378

d) 846

3. Simplify the following without using a calculator

a) $-4 \times (8 - (-3)) + 7$

b) $\frac{3}{4} + 5\frac{1}{2} - \frac{28}{36} + 4\frac{2}{9}$

c) $0.03 + \frac{2}{5}$

d) $7^2 + (-8)^2 - \sqrt[3]{-\frac{64}{27}}$

e) $\sqrt{\frac{2}{25}} + \left(\frac{2}{50}\right)^2 - \left(\frac{1}{5}\right)^2$

f) $\frac{-42}{7} + 8 \times (5 + (-7))$

g) $\sqrt{0.25} - (0.3)^2$

h) $\frac{209}{87} \div 2\frac{2}{9} - 1\frac{2}{7} \times 0.42$

i) $(-1)^3 \times (-1)^2 + 1$

j) $0.54 \div 0.0009$

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Parliamentary Papers Great Britain. Parliament. House of Commons, 1837 *Resources in Education*, 2000 **Diverse educational contexts and research on metacognition and motivation to enhance self-directed learning** Bernadette Geduld, Byron J. Bunt, Divan Jagals, 2025-02-17 This scholarly book explores the latest education research on metacognition and self directed learning providing practical insights for educators and students As the thirteenth volume in the NWU Self Directed Learning Series it focuses on developing metacognitive skills to enhance self regulation motivation and independent thinking key competencies for success in the 21st century Metacognition plays a vital role in learning helping students plan evaluate and self assess their progress Research shows that students with strong metacognitive strategies achieve better learning outcomes apply knowledge effectively and persist through academic challenges This book offers evidence based teaching strategies to support the development of self regulated learning and motivation in diverse educational settings It examines teaching behaviour and instructional methods that foster metacognitive growth in both basic and higher education With a particular focus on the South African education landscape it extends research in cognitive developmental and applied psychology Researchers and educators will find practical approaches for integrating metacognition into various disciplines making this book a valuable resource for both undergraduate and graduate education programmes Minutes and Votes and Proceedings of the Parliament, with Papers Presented to Both Houses Western Australia. Parliament, 1929 **U.S. Government Research Reports**, 1964 **Business Service Check List**, 1955 Key business indicators include Population Personal Income Gross National Product Corp Profits before Tax Manufacturing new orders Business Inventories Retail Sales Industrial Production Index Housing Starts private nonfarm Civilian Labor Force Consumer Price Index Balance of Payments Merchandise Exports and General Imports **Examcart NMMS Entrance Test Class 8 Mock Papers For 2024 Exam In English** Examcart Experts, Sessional Papers Great Britain. Parliament. House of Commons, 1906 **"The" Athenaeum**, 1854 *Research in Education*, 1970-12 Learning and a Liberal Education Peter R. H. Slee, 1986 *Using Writing to Teach Mathematics* Andrew Sterrett, 1990 This collection of essays is an outgrowth of the widespread interest shown in sessions of contributed papers on writing given at the 1988 and 1989 Annual Meetings of the MAA Many of the 30 authors of the essays included in this volume participated in those sessions and each has considerable experience in requiring students to write about mathematics **New Mathematics Today Class 6** ANUBHUTI GANGAL, New Mathematics Today a thoroughly revised series for KG to Class 8 has been designed as per the requirements of the latest curriculum The content of this series is designed to reach all learners in the classroom irrespective of their skill levels or learning capabilities Moscow University Computational Mathematics and Cybernetics Moskovskii gosudarstvennyi universitet im. M.V. Lomonosova, 1991 The Education Gazette of the Province of the Cape of Good Hope Cape of Good Hope (South Africa). Education Department, 1974 *School Life*, 1920 **Joint Volumes of Papers Presented to the Legislative Council**

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