O-Level Mathematics

Paper 1

Unsolved Topical

Past Papers With Marking Scheme

According to New Syllabus (2023-2025)

2014-2021

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PREFACE

Excellence in learning cannot be claimed without application of concepts in a dexterous way. In this regard one of the logical approach is to start in chunks; like chapter wise learning and applying the concept on exam based questions.

This booklet provides an opportunity to candidates to practice topic wise questions from previous years to the latest. Extensive working of Team MS Books has tried to take this booklet to perfection by collaborating with top of the line teachers.

We have added answer key / marks scheme at the end of each topic for the candidate to compare the his/her answer to the best.

MS Books strives to maintain actual spacing between consecutive questions and within options as per CAIE format which gives students a more realistic feel of attempting question.

Review, feedback and contribution in this booklet by various competent teachers of a subject belonging to renowned school chains make it most valuable resource and tool for both teachers and students.
With all belief in strength of this resource material I can confidently claim that it is worth in achieving brilliance.

Our sincere thanks and gratification to **Mr.Zafar Iqbal** who took out special time to help compile and manage this booklet. We would also like to appreciate Mathematics faculty for reviewing and indorsing it.

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Numbers

Q2/11/M/J/14

1 **(a)** Evaluate $5 + 1 \times 0.3$.

Answer ..... [1]

(b) Evaluate $18 \div 0.2$.

Answer ..... [1]

Q15/11/M/J/14

2 **(a)** Find an integer r such that $r > 5$ and $5r - 1$ is a square number.

Answer $r =$ ..... [1]

(b) Find the value of s which makes $8s + 2$ a prime number.

Answer $s =$ ..... [1]

(c) Write down an irrational number between 7 and 8.

Answer ..... [1]

MS BOOKS

Q1/12/M/J/14

3 **(a)** Evaluate $12 + 8 \div (9 - 5)$.

Answer ..... [1]

(b) Evaluate $0.018 \div 0.06$.

Answer ..... [1]

Q9/12/M/J/14

4 **(a)** Evaluate $\frac{1}{7} + \frac{3}{4}$.

Answer ..... [1]

(b) Evaluate $5\frac{1}{3} \div 1\frac{3}{5}$, giving your answer as a mixed number in its lowest terms.

Answer ..... [2]

MS BOOKS

Q10/12/M/J/14

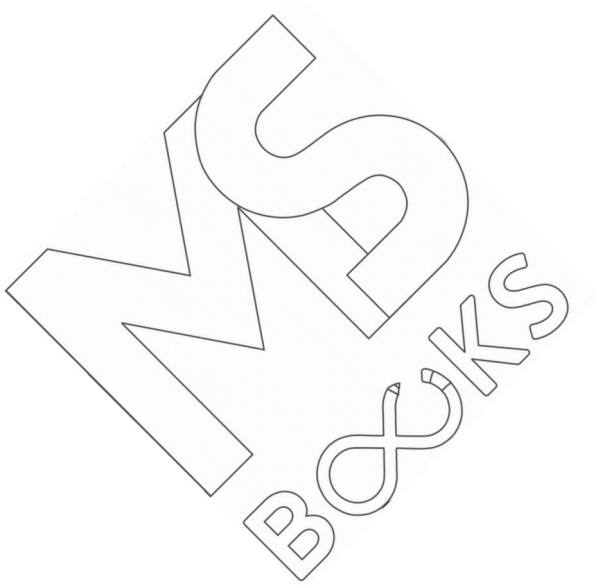
5 **(a)** Write 405 917 628 correct to three significant figures.

Answer ..... [1]

(b) By writing each number correct to one significant figure, estimate the value of

$$\frac{41.3}{9.79 \times 0.765}.$$

Answer ..... [2]



Q2/11/M/J/14

Question 1

Answers: **(a)** 5.3 **(b)** 90

Q15/11/M/J/14

Question 2

Answers: **(a)** e.g. 10 **(b)** e.g. 0 **(c)** e.g. $\sqrt{50}$

Q1/12/M/J/14

Question 3

Answers: **(a)** 14 **(b)** 0.3

Q9/12/M/J/14

Question 4

Answers: **(a)** $\frac{25}{28}$ **(b)** $3\frac{1}{3}$

Q10/12/M/J/14

Question 5

Answers: **(a)** 406 000 000 **(b)** 5

Q2/11/O/N/14

Question 6

Answers: **(a)** 12; **(b)** 0.08.

Q3/11/O/N/14

Question 7

Answers: **(a)** $\frac{3}{100}$; **(b)** 82.

Q4/11/O/N/14

Question 8

Answers: **(a)** 64; **(b)** 67.

Q5/12/O/N/14

Question 9

Answer: **(a)** 1200; **(b)** 3.

Q1/11/M/J/15

Question 10

Answers: **(a)** $1\frac{17}{24}$ **(b)** 3.2

Q4/11/M/J/15

Question 11

Answers: **(a)** 0.0044 **(b)** 5

Q14/11/M/J/15

Question 12

Answers: **(b)** 2 : 3 : 4 **(c)** 54

Q1/12/M/J/15

Question 13

Answer: **(a)** 21 **(b)** $\frac{9}{20}$