



United Kingdom  
Mathematics Trust

# UKMT

## UKMT Mathematical Challenges

(2021-2022)

The UK's most popular school Mathematical Challenges | Over 700,000 participants all over the world annually | Three levels suitable for different age groups | Up to 50%-66% award ratio

## Introduction

The United Kingdom Mathematics Trust (UKMT) was founded in 1996 and stands as a registered charity, whose charitable aim is to advance the education of young people in mathematics by offering a wide range of national-level competitions and activities for students from 11 to 18 years old in the UK.

UKMT encourages mathematical reasoning, precision of thought, and fluency in using basic mathematical techniques to solve interesting problems. Among many mathematical challenges organized by UKMT, their biggest competitions are the Junior, Intermediate and Senior Mathematical Challenge (JMC/IMC/SMC), which have over 700,000 entries from 6,000 schools each year, and are the UK's most popular school Mathematical Challenges. To recognize the highest performers in the Challenge, UKMT Mathematical Challenges award the top-scoring 50%-66% (JMC/IMC with 50%, SMC with 66%) of participants Bronze, Silver and Gold certificates in the ratio 3:2:1. Chinese students will be given awards based on UK cut-off.

In December 2021, the United Kingdom Mathematics Trust (UKMT) officially authorized ASDAN China to administer UKMT Mathematical Challenges.

### Difficulty:

Difficulty	Qualification	Format	Date
Senior Mathematical Challenge (SMC)	A2/Grade 12 or below	25 multiple choice questions (90mins)	November
Intermediate Mathematical Challenge (IMC)	GS/Grade 10 or below	25 multiple choice questions (60mins)	February 4, 2022 (Friday), 10:00-11:00 am
Junior Mathematical Challenge (JMC)	Grade 7 or below	25 multiple choice questions (60mins)	April 29, 2022 (Friday), 17:00-18:00 pm



## ■ Intermediate Mathematical Challenge (IMC)

**Date:** February 4, 2022 (Friday), 10:00-11:00 am (60mins)

**Location:** Online (computer with camera and mobile device are required)

**Qualification:** GS/Grade 10 or below

**Format:** Individual written test, 25 multiple choice questions (Bilingual)

**Marking Scheme:** 5 points for 1-15; 6 points for 16-25. For questions 16-20, 1 point deducted for each incorrect answer; for 21-25 questions, 2 points deducted for each incorrect answer.

**Award:** Top-scoring 50% of participants will be awarded Gold, Silver and Bronze in the ratio 1:2:3. Participants in China will be judged based on the UK cut-off scores.

- Gold: the cut-off score in 2021 is 86+
- Silver: the cut-off score in 2021 is 68+
- Bronze: the cut-off score in 2021 is 55+
- Participation: for all participants

## ■ Junior Mathematical Challenge (JMC)

**Date:** April 29, 2022 (Friday), 17:00-18:00 pm (60mins)

**Location:** Exam centers across China / Online (computer with camera and mobile device are required)

**Qualification:** Grade 7 or below

**Format:** Individual written test, 25 multiple choice questions (Bilingual)

**Marking Scheme:** 5 points for 1-15; 6 points for 16-25; 0 point for incorrect answer.

**Award:** Top-scoring 50% of participants will be awarded Gold, Silver and Bronze in the ratio 1:2:3. Participants in China will be judged based on the UK cut-off scores.

- Gold: the cut-off score in 2021 is 73+
- Silver: the cut-off score in 2021 is 57+
- Bronze: the cut-off score in 2021 is 45+
- Participation: students not among the high scorers

## Fee

200RMB/one student

(including exam fee, tax fee, exam center fee and certificate fees)

## Registration Deadline

- Intermediate Mathematical Challenge (IMC):  
January 21, 2022
- Junior Mathematical Challenge (JMC):  
April 18, 2022

## Registration Channels

- Online registration: login in to: [www.asdanchina.com.cn/en/ukmt-en/](http://www.asdanchina.com.cn/en/ukmt-en/)
- Offline registration organized by the school
- Scan the QR code below for registration



## ASDAN China

Beijing: 2F Media Building, Anwai Beiyuan No. 2  
Courtyard, Chaoyang District

Shanghai: 3B07, Building 8, Fudan Software Park,  
No.561 Sanmen Road, Baoshan District

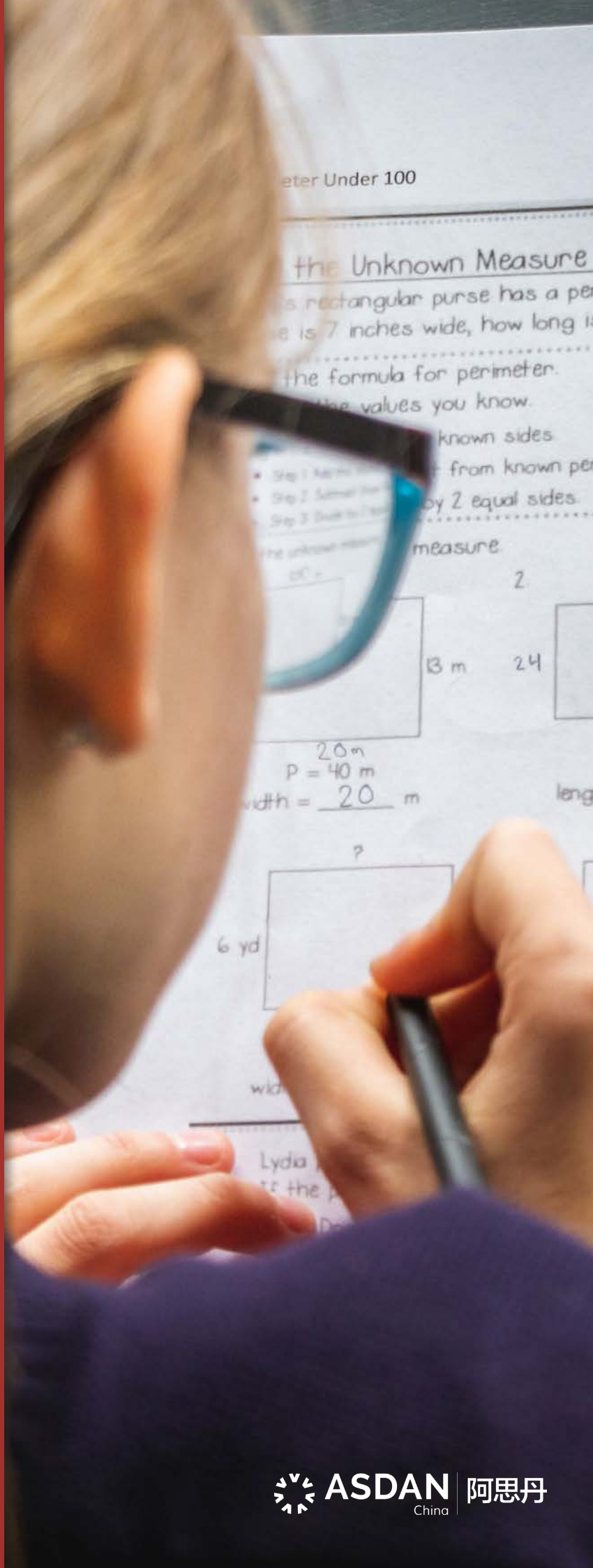
Shenzhen: 605 Building 4, 1970 Science &  
Technology Park, Minkang Road, Longhua District

Chengdu: Room 1605-06, LIPPO TOWER No.62  
North Kehua Road, Wuhou District

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**ASDAN**  
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