

UKMT ANNUAL STUDENT POSTER COMPETITION

Can you design a poster to advertise next year's Mathematical Challenges?

Here are some previous winning posters to give you inspiration.



Entries are accepted from teams of students
or from individuals.

Please send entries to:
Mr. Oyedeji
Room A10

Closing date
Wednesday 21 March 2018.

See competition rules for more details or ask your Maths teacher.

COMPETITION RULES

- Use A2 paper in portrait orientation.
- Include the words “UKMT Mathematical Challenges 2018-2019”.
- Include the following dates:
 - Senior Challenge— Tuesday 6 November 2018
 - Intermediate Challenge – Thursday 7 February 2019
 - Junior Challenge – Tuesday 30 April 2019
- Write your name(s), age **(NOT DATE OF BIRTH)** and school details (clearly!) on the back **(NOT FRONT)** of the poster.
- All submissions **MUST** be hard copies.



United Kingdom Mathematics Trust

Tel: 0123 240 2200
Fax: 0123 240 2200

United Kingdom Mathematics Trust
University of London
London WC1E 7AF

www.ukmt.org.uk
[@ukmt](https://twitter.com/ukmt)
www.ukmt.org.uk



The diagram shows a regular pentagon inside a square. What is the value of x ?

Senior Challenge: Thursday 5 November 2015

A fish weighs the total of 2 kg plus a third of its own weight. What is the weight of the fish?

Intermediate Challenge: Thursday 4 February 2016

According to recent research, global sea levels could rise 14.3 cm by the year 2100 as a result of melting ice. Roughly how many millimetres is that per year?

Junior Challenge: Thursday 26 April 2016



MATHS CHALLENGES

2011-2012

SENIOR CHALLENGE

Tuesday 8 November 2011

INTERMEDIATE CHALLENGE

Thursday 2 February 2012

JUNIOR CHALLENGE

Thursday 26 April 2012



UKMT



UK Maths
Challenges

Senior
Challenge

Thursday
6 November 2014

heptagon

polygon

Put two positive integers less than 10
in factors including 6 and 11.
What is the
largest?

Isosceles

Intermediate
Challenge

Thursday
5 February 2015

Equilateral

heptagon

Pentagon

Junior
Challenge

Thursday
30 April 2015

Do any two in the cluster that
share an unshaded
corner have the same
area? If so which two? If not
what two?

Circle

Square

Hexagon

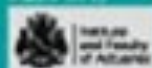
United Kingdom Mathematics Trust

Tel: 0113 343 2330
Fax: 0113 343 5536

School of Mathematics
University of Leeds
Leeds LS2 9JT

www.ukmt.org.uk
@UKMTTrust
www.ukmt.org.uk

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Maths Challenges

2009-10

Senior	5th November 2009
Intermediate	4th February 2010
Junior	20th April 2010

all
Thursdays

Senior

What is the value of $2 \times 2008 + 2008 \times 8$?

A 4016 B 16064
C 20080 D 64256 E 80020

 π

Intermediate

What is the value of $1 + 2^1 + 4 \times 5$?

3

4

Junior

How many minutes are there from 11:11 until 23:23 on the same day?

A 12 B 720 C 732 D 1212

E 7212

%

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Tel: 0113 242 3220
Fax: 0113 242 0130School of Mathematics
University of Leeds
Leeds LS2 9JTwww.ukmt.org.uk
www.ukmt.org.uk