



Mr. Julian Tam

Vice Principal of Yan Chai Hospital Law Chan Chor Si College

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Promotion of Gifted Education in Secondary School Mathematics

A: Offsite support Programme(s) (examples)

- 1. Dual Program of The Hong Kong University of Science and Technology**
- 2. Program for the Gifted & Talented of The Chinese University of Hong Kong
(DLG Grant of EDB)**



3. Gifted Education Fund: Off-school Advanced Learning Programmes

[2021-05_en.pdf \(edb.gov.hk\)](#)

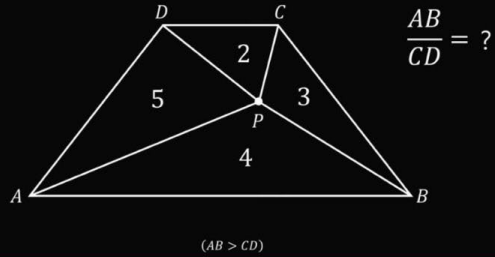
B: School-based pull out programme(s)

1. Mathematics Clubs

Training courses are provided to contestants of different competitions.

2. Whatsapp group is formed and elite students are invited to join the group and learn advanced Mathematics.

Fri, 14 Oct
Sun, 16 Oct



ABCD is a trapezium

1:57 PM ✓✓

Challenge

1:57 PM ✓✓

[Redacted]
The number is mean area?

1:58 PM

[Redacted]
P,



1:58 PM

[Redacted]
The number is mean a

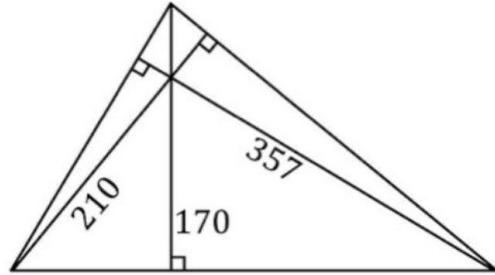


Yes

1:58 PM ✓✓

Thu, 13 Oct

Perimeter = ?



Challenge

8:30 PM ✓✓

三高分別是 170 , 210 及 357

8:31 PM ✓✓

求周界

8:31 PM ✓✓

1020?

8:44 PM

Please show me your solution

8:47 PM ✓✓

I using trigonometry

8:48 PM

How?

8:48 PM

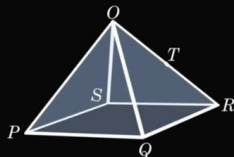


Tue, 27 Sep

Tap to view group description. Tap to view.

Sat, 1 Oct

A square pyramid has base $PQRS$ and vertex O . Each edge has length equal to 20.



Calculate the shortest distance along the outer surface of the pyramid from P to T , the midpoint of OR .

Very Challenging

12:04 AM ✓✓

is 10 開方根 5 ?

9:13 AM

66

9:30 AM

I think is 10 開方根 3

9:52 AM

10 開方根 7

10:59 AM ✓✓

You



Tue, 20 Sep

Simplify

$$\frac{\sqrt{10 + \sqrt{1}} + \sqrt{10 + \sqrt{2}} + \dots + \sqrt{10 + \sqrt{99}}}{\sqrt{10 - \sqrt{1}} + \sqrt{10 - \sqrt{2}} + \dots + \sqrt{10 - \sqrt{99}}}$$

Today's challenge

★7:11 PM ✓✓

~~XXXXXXXXXX~~
WOW 7:13 PM

~~XXXXXXXXXX~~
oj 7:15 PM

Please try to find the answer

7:15 PM ✓✓

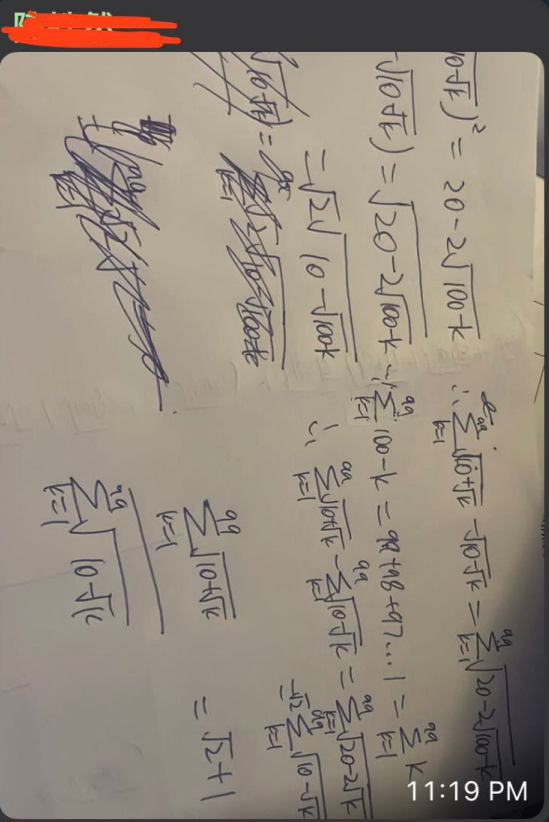
Solved? 8:20 PM ✓✓

~~XXXXXXXXXX~~
cant 8:20 PM

~~XXXXXXXXXX~~
thinking 8:20 PM



oj 11:15 PM



ok 11:19 PM

sorly 11:19 PM

Wed, 21 Sep



Your answer is correct but very



Sources of Problems

1. YouTube Channel: Mind Your Decisions



Sources of Problems

**2. HSC Examination Paper
(Mathematics Extension 2 (2022))
(Australia)**



Sources of Problems

3. STEP Examination Papers 2021



Local Mathematics Competitions

- 1. HKMO (EDB)**
- 2. IMO Preliminary Selection Contest (HKAGE)**
- 3. Pui Ching Invitational Mathematics Competition**
- 4. Hong Kong Mathematical High Achievers Selection Contest (Po Leung Kuk)**
- 5. Mathematical Excalibur (HKUST)**