

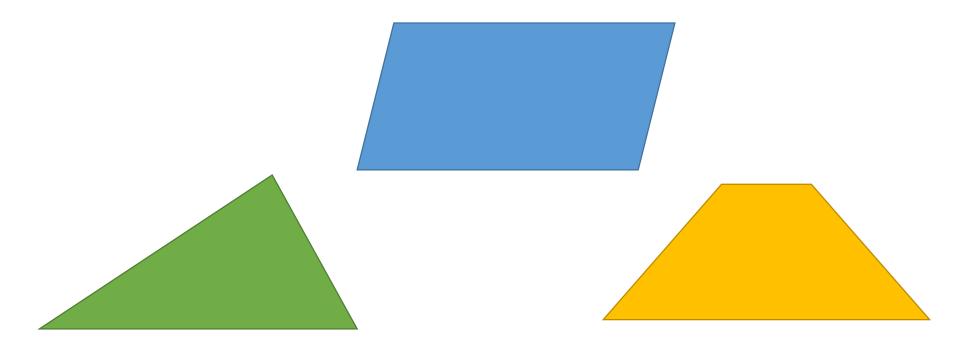
Hong Kong Taoist Association Wun Tsuen School



Mr. Au Kin Keung Mr. Lam Chor Wing Mr. Ho Po Kwong

P.5 Measures

Area of Parallelograms, Triangles and Trapeziums



Objectives of the Lesson

• Enable students to understand and apply the formula for finding the area of parallelograms, triangles and trapeziums.

GeoGebra Time

Area of Parallelogram



https://www.geogebra.org/classic/qktjmhky

Area of Triangle



https://www.geogebra.org/classic/kstmngvg



A. Using the same base but different height, find the area of parallelogram and triangle in the following table.

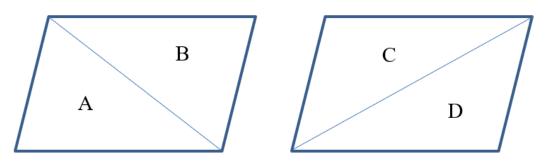
Base (cm)	Height (cm)	Area of parallelogram	Area of triangle
10	2		
10	3		
10	4		
10	5		
10	6		

From observation, the area of triangle is ______ of the area of parallelogram that with the same base and height.

B. Estimate the area of triangle in the following table.

Base (cm)	Height (cm)	Estimate Area of triangle	Area of triangle
8	2		
8	3		
8	4		
8	5		

C. Hypothesis "the area of triangle is ______



Triangle A is (equal to / not equal to) Triangle B.

Triangle C is (equal to / not equal to) Triangle D.

A parallelogram can be cut into _____ identical triangles.

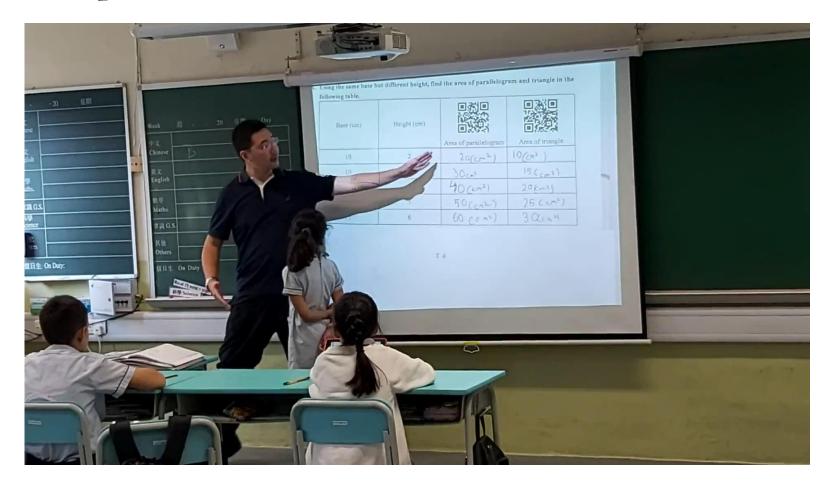
The area of triangle is ______ of the area of parallelogram with the same base and height.

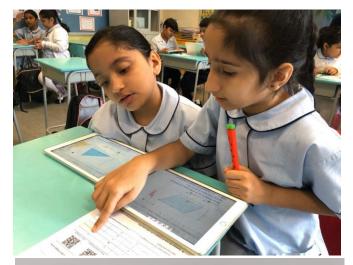
The area of parallelogram is **Base** \times **Height. (Mathematical expression)**

So, the area of the triangle is ______. (Mathematical expression)

(with the same base and height)

Snapshots of the Lesson





From observation, the area of triangle is \underline{hah} of the area of parallelogram that with the same base and height.

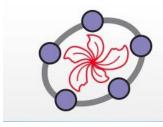
B. Estimate the area of triangle in the following table.

Base (cm)	Height (cm)	Estimate Area of triangle	Area of triangle				
8	2	8	8 /				
8	3	124	12 X				
8	4	, lb.	16				
8	5	20	20				



Other Resources of GeoGebra

http://www.geogebra.org.hk



GeoGebra Institute of Hong Kong

Vision: To promote and support the use of GeoGebra and the development and sharing of its materials in Hong Kong, and to nurture collaboration between teachers, educators and researchers for a self-sustaining community of practice.

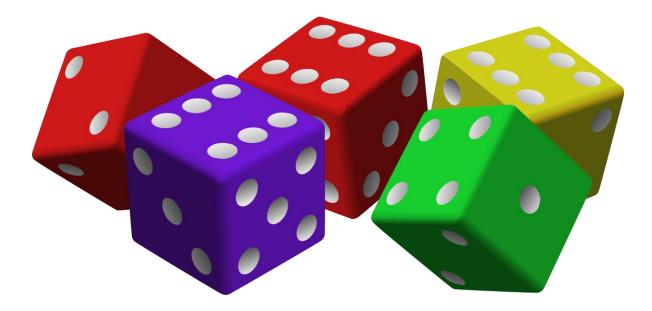
Hosting Institute: Department of Education Studies, Hong Kong Baptist University



https://www.gmath.hk

P.4 Number

Mixed Operations - Bingo



Objective of the lesson

- Applying the use of operators.
- * Raise the interests in calculation by co-operation and competition.

Rules of the game:

Need to use all the 4 numbers.

Use "+", "-", " \times ", or " \div " to make a number statement.

Rules of the game:

 \clubsuit If there have two "0", one of them can be thrown again.

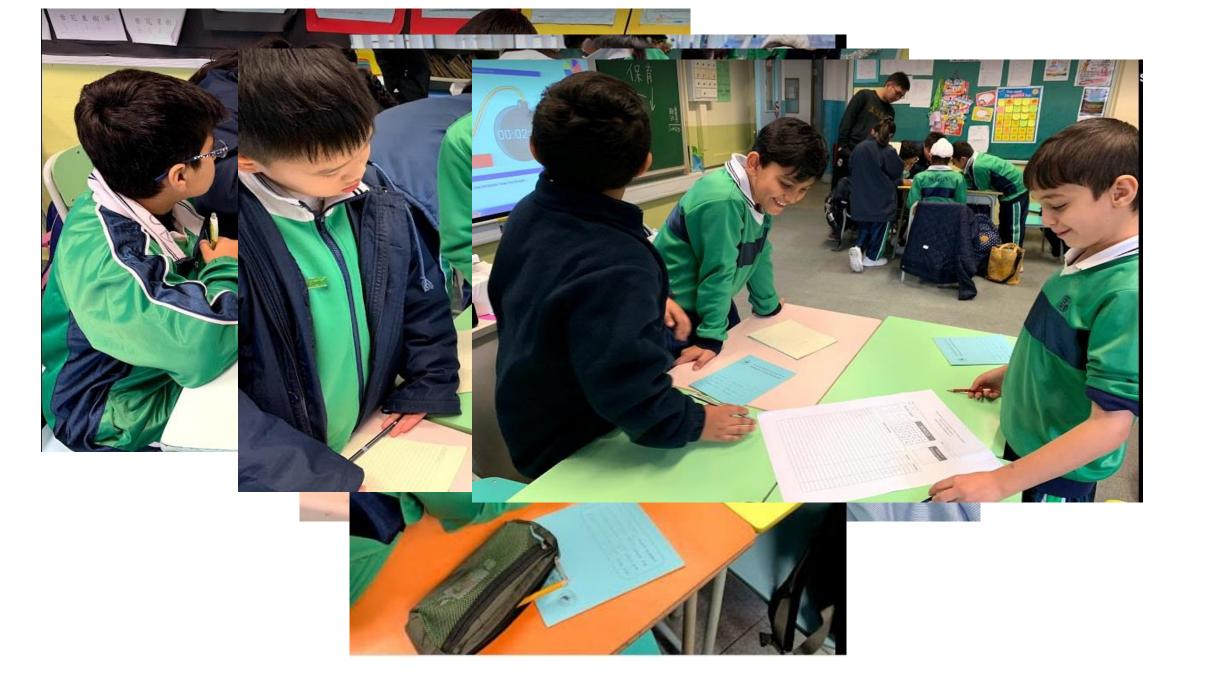
If no one find the Bingo, the team which get more number statements are correct is the winner.

Hong Kong Taoist Association Wun Tsuen School 2018–2019 Mathematics Maths Bingo Competition 1

Name :

Hong Kong Taoist Association Wun Tsuen School 2018–2019 Mathematics Maths Bingo Competition 2

Name :	95-5111		7000					Class:		DIN	Date	_		
'lass:			_	Date:				The dice' number		BIN	GC	, 	Number	of
The dice' number		B	NG	90					4	7	13	14	Number Bingo(s) Fo	bund
	2	8	9	12	13	Number	of		22	23	24	34		
	14	15	16	22	27	Bingo(s) Fo	ound		36	38	40	41		
	32	40	42	43	46				42	43	46	47		
	51	52	55	56	57			Numb	er Staten	nent			Answer	Checke
	58	62	67	74	75									
Nu	mber State	ment				Answer	Checked							_
														_

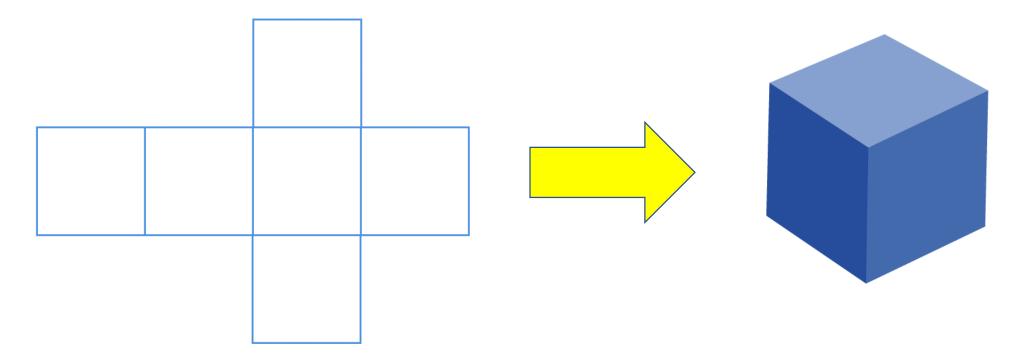


Reflection of the lesson

Students were fully engaged in the lesson.

P.5 Shape and Space

3-D shapes – Nets of cubes

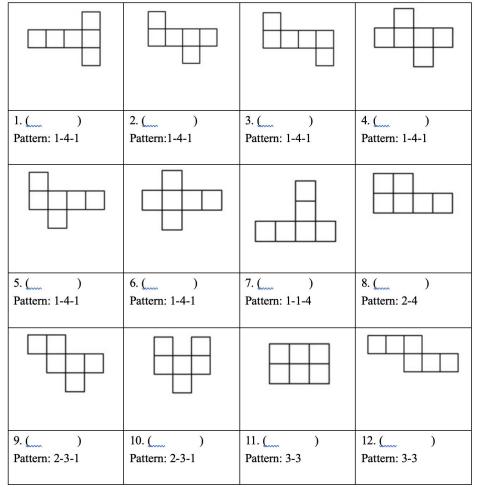


Objectives of the Lesson

• Enable students to recognise the patterns of nets can fold into a cube.



A.) Try the following nets. Can these nets be folded into cubes? Put a "√" in the brackets if it can or a "x" if it cannot.



Observe the nets above again. Which pattern of nets can **always** be folded into cubes? I discovered out that ______ pattern can always be folded into cubes.

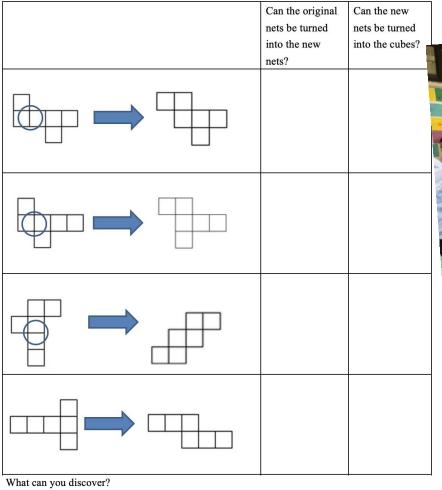




B.) Exploration on non 1-4-1 nets.

Please break the net (you can refer to the hint if it is given) and turn a right angle to form

another shape of nets. Record your findings.



ap - aft



Highlights of the Lesson

C.) Exploration on non 1-4-1 nets back to 1-4-1 nets.

Please break the net (you can refer to the hint if it is given) and turn a right angle to form

another shape of nets. Record your findings.

