

### Hong Kong Taoist Association Wun Tsuen School

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Diversity

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## P.5 Numbers Division of Fractions

Solve problem of division of fraction by non-calculation method: 1. (Sharing)

2. (Grouping)

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# Objectives of the lesson (sharing): 🔎

Understand divided by a whole number can also be calculate by time one over that whole number.

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Hong Kong Taoist Association Wun Tsuen School 2020-2021 Mathematics P.5 Division of fractions (Homework)   P.5 Division of fractions (Homework)   Name : EMGGA (1) Marks:	
Solve the problem with different method.   1) There is $6\frac{2}{5}$ L of water in a kettle. Johnny pours it into 4 bottles equally. How many litres of water are there in each bottle?   Number sentence:   Method 1: <u>Solve the problem using paper strip.</u> I cut a paper strip ofmm to represent the volume of water in the kettle.	
I fold it intoequal parts. I measure the length of each part, it ismm long. Therefore, the answer isL.	
Checking   From my measure, the volume of each bottle of water is	
A C A C A C A C A C A C A C A C	

# Objectives of the lesson (grouping)

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Students are able to understand the concept of division of fractions (Grouping).



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### Now, let's experience using mathigon.....





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#### Question 1:



2 kg of sugar are divided into bags of  $\frac{1}{4}$  kg, how many bags of sugar are there? ÷ There are \_\_\_\_\_ bags of sugar.



#### Question 2:









#### Students' work:







#### Students' work:

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Mathematics **Division of Fractions** Students B (CATTie) Help your friends to check their understanding. The explanation is clear. ☑ The pictures match the question. I like the work. ☑ The number sentence is correct. ☑ The answer is correct. Explore with Mathigon and to solve the problems below. Copy the images in Mathigon to the box on the right. 3 kg of salt are divided into bag of  $\frac{1}{4}$  kg, how many bags of salt are there? छि<u>स</u>ं के संस्तित के संस्तित = bags of salt. There are

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#### Students' work (Creating video):

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#### Solving the following problem by using Mathigon.





#### Students' work (Creating video):



#### Solving the following problem by using Mathigon.



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- Provide a channel to let students upload their video and share to with their peers.
- > Students can build up his learning profile.

### Conclusion:



- Through this learning mode and platform, it is easier for students to understand and get these knowledge visually.
- Great opportunities to revise the concept of division.



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