25課/Lesson 25/Leksyon 25

①分数×分数の文章題
①Word problems on fraction×fraction.
①Mga word problem sa fraction×fraction.

【日本語の表現】 Math Expressions in Japanese　Mga Math Expressions sa Japanese

①単位を表す「で」→「1 dlで4/5 ㎡塗れる。」
①「DE」, terminology to express the unit →「1dl DE 4/5 ㎡ NURERU.」(4/5 ㎡ can be painted with 1dl.)
①「DE」na ginagamit upang maituro ang unit / pamantayan. →「1dl DE 4/5 ㎡ NURERU.」(Mapipintahan ang 4/5㎡ sa gamit ng 1dl.)

25 わりざんの ぶんしょうだい ②

Warizan no bunshoodai

分数×分数の計算になる「ペンキと板」の問題場面を知る。

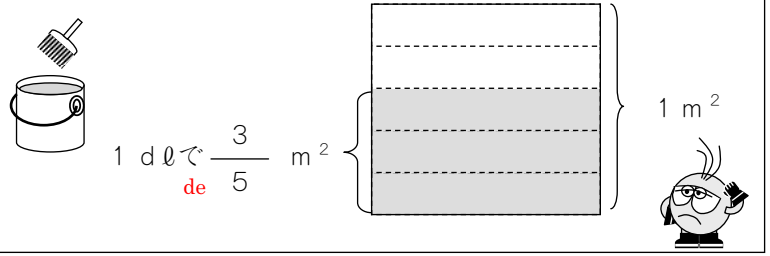
1

1 dℓで いたを $\frac{3}{5}$ m^2 ぬれる ペンキが あります。

Ichi deshirittoru de ita o nureru penki ga arimasu

このペンキ $\frac{1}{2}$ dℓでは、いたを なんm^2 ぬれますか。

Kono penki dewa ita o nan nuremasuka



ペンキの りょう Penki no ryoo	1 dℓ →	$\frac{1}{2}$ dℓ
ぬれる ひろさ Nureru hirosa	$\frac{3}{5}$ m^2 →	

ペンキの りょうが $\frac{1}{2}$ に なったので、

Penki no ryoo ga ni natta node

ぬれる ひろさも $\frac{1}{2}$ に なります。

nureru hirosa mo ni narimasu

$\frac{3}{5}$ m^2の $\frac{1}{2}$ は、

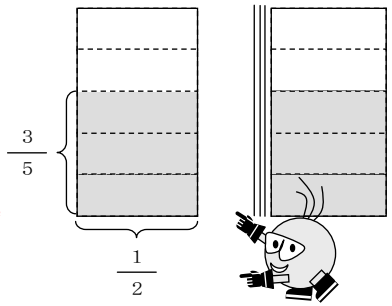
no wa

$\frac{3}{5}$ × $\frac{1}{2}$ の けいさんで

no keesan de

わかります。

wakarimasu



25 わりざんの ぶんしょうだい ②

分数×分数の計算になる「ペンキと板」の問題場面を知る。

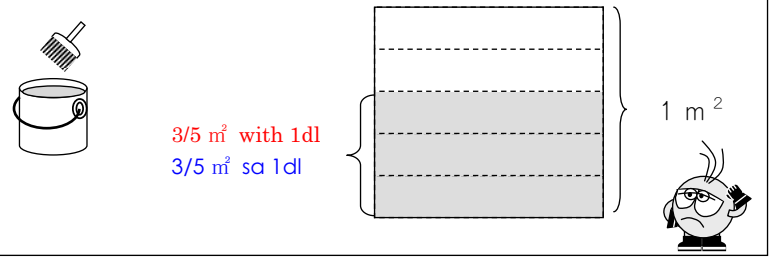
1

There is paint, 1dl of which is enough to paint 3/5 ㎡ of board.

Mayroong pintura na 1dl nito ay makakakulay ng 3/5 ㎡ ng tabla.

How many ㎡ of board can be painted with 1/2dl of this paint?

Ilang ㎡ ng tabla ang makukulayan ng 1/2dl na pinturang ito?



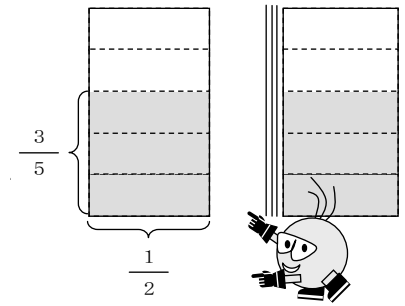
amount of paint dami ng pintura	1 dℓ →	$\frac{1}{2}$ dℓ
area that can be painted kasakupang makukulayan	$\frac{3}{5}$ m^2 →	

The amount of the paint became 1/2, so the area that can be painted also becomes 1/2.

Ang dami ng pintura ay naging 1/2 kaya ang kasakupang makukulayan ay magiging 1/2 din.

You can solve 1/2 of 3/5 ㎡ by calculating 3/5 × 1/2.

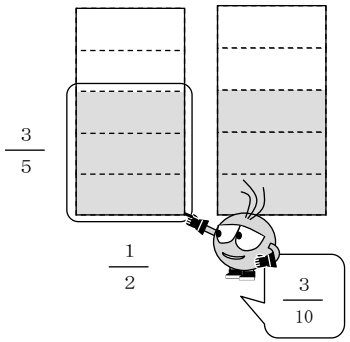
Malalaman ang 1/2 ng 3/5 ㎡ sa pagkalkula ng 3/5 × 1/2.



①けいさんしましょう。
Keesan shimashoo

$\frac{3}{5} \times \frac{1}{2} = \frac{3}{10}$

②えで たしかめてみましょう。
E de tashikamete mimashoo



$\frac{3}{5}$ の $\frac{1}{2}$ は、$\frac{3}{5} \times \frac{1}{2}$ で わかります。
no wa de wakarimasu

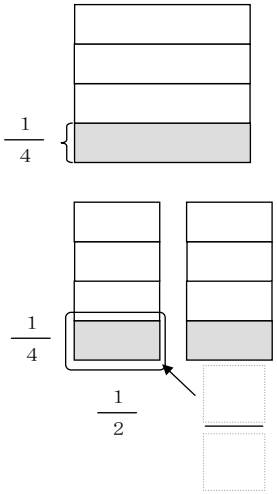
□ の △ は、□ × △ で わかります。
no wa de wakarimasu

【もんだい】
Mondai

$\frac{1}{4}$ の $\frac{1}{2}$ は、
no wa

□/□ × □/□ で
de

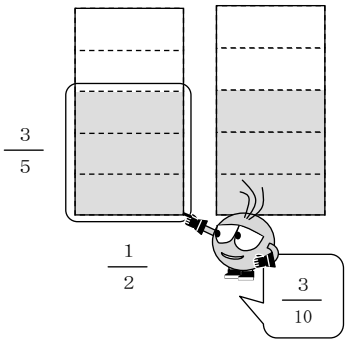
わかります。
wakarimasu



① Calculate.
Kalkulahin.

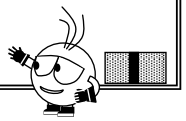
$\frac{3}{5} \times \frac{1}{2} = \frac{3}{10}$

② Check with the diagram.
Suriin ito sa diagram.



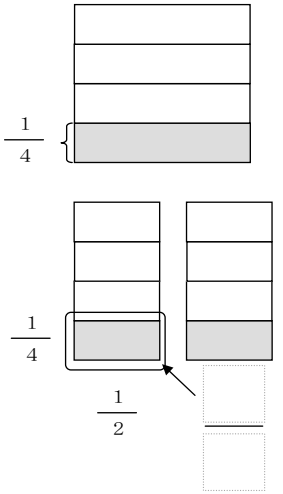
You can solve 1/2 of 3/5 by calculating 3/5 × 1/2.
Malalaman ang 1/2 ng 3/5 sa pagkalkula ng 3/5 × 1/2.

You can solve △ of □ by calculating □ × △.
Malalaman ang △ ng □ ㎡ sa pagkalkula ng □ × △.



【Question】

You can solve 1/2 of 1/4
by calculating □/□×□/□.
Malalaman ang 1/2 ng 1/4
sa pagkalkula ng □□×□□.

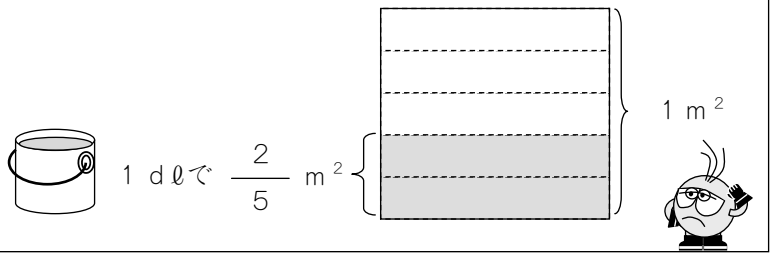


2

分数×分数の計算になる「ペンキと板」の問題を解いてみる。

1 dℓで いたを $\frac{2}{5}$ m^2 ぬれる ペンキが あります。

この ペンキ $\frac{1}{3}$ dℓでは、いたを なんm^2 ぬれますか。



ペンキの りょう	1 dℓ →	$\frac{1}{3}$ dℓ
ぬれる ひろさ	$\frac{2}{5}$ m^2 →	

ペンキの りょうが $\frac{1}{3}$ に なったので、

ぬれる ひろさも $\frac{1}{3}$ に なります。

$\frac{2}{5}$ m^2の $\frac{1}{3}$ は なんm^2ですか。

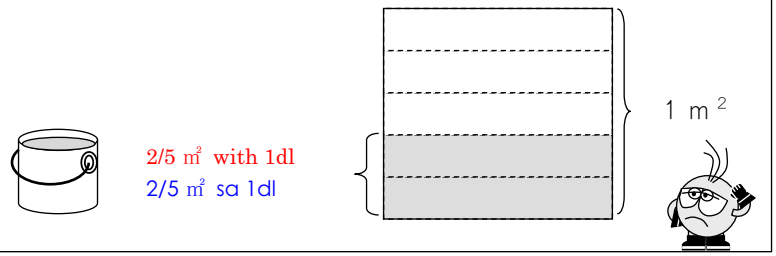
（しき）
shiki

（こたえ）
kotae

2

分数×分数の計算になる「ペンキと板」の問題を解いてみる。

There is paint, 1dl of which is enough to paint 2/5 ㎡ of board.
Mayroong pintura na 1dl nito ay makakakulay ng 2/5 ㎡ ng tabla.
How many ㎡ of board can be painted with 1/3dl of this paint?
Ilang ㎡ ng tabla ang makukulayan ng 1/3dl na pinturang ito?



amount of paint dami ng pintura	1 dℓ →	$\frac{1}{3}$ dℓ
area that can be painted kasakupang makukulayan	$\frac{2}{5}$ m^2 →	

The amount of the paint became 1/3, so the area that can be painted also becomes 1/3.
Ang dami ng pintura ay naging 1/3 kaya ang kasakupang makukulayan ay magiging 1/3 din.

How many ㎡ is 1/3 of 2/5 ㎡?
Ilang ㎡ ang 1/3 ng 2/5 ㎡?

（Formula）

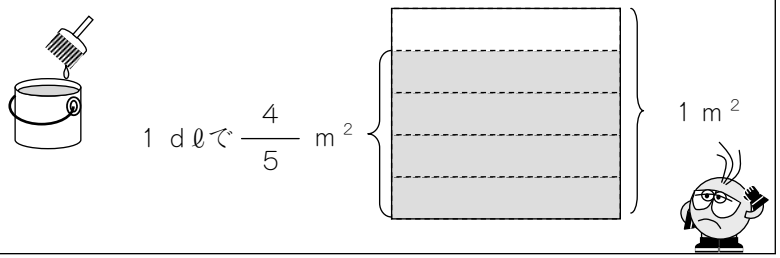
（Answer）

3

分数×分数の計算になる「ペンキと板」の問題に慣れる。

1 dℓで いたを $\frac{4}{5}$ m^2 ぬれる ペンキが あります。

この ペンキ $\frac{2}{3}$ dℓでは、いたを なんm^2 ぬれますか。



ペンキの りょう	1 dℓ →	$\frac{2}{3}$ dℓ
ぬれる ひろさ	$\frac{4}{5}$ m^2 →	

ペンキの りょうが $\frac{2}{3}$ に なったので、

ぬれる ひろさも $\frac{2}{3}$ に なります。

$\frac{4}{5}$ m^2の $\frac{2}{3}$ は なんm^2ですか。

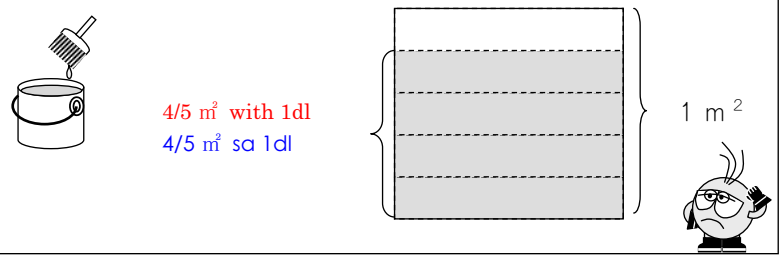
（しき）

（こたえ）

3

分数×分数の計算になる「ペンキと板」の問題に慣れる。

There is paint, 1dl of which is enough to paint 4/5 ㎡ of board.
Mayroong pintura na 1dl nito ay makakakulay ng 4/5 ㎡ ng tabla.
How many ㎡ of board can be painted with 2/3dl of this paint?
Ilang ㎡ ng tabla ang makukulayan ng 2/3dl na pinturang ito?



amount of paint dami ng pintura	1 dℓ →	$\frac{2}{3}$ dℓ
area that can be painted kasakupang makukulayan	$\frac{4}{5}$ m^2 →	

The amount of the paint became 2/3, so the area that can be painted also becomes 2/3.
Ang dami ng pintura ay naging 2/3 kaya ang kasakupang makukulayan ay magiging 2/3 din.

How many ㎡ is 2/3 of 4/5 ㎡?
Ilang ㎡ ang 2/3 ng 4/5 ㎡?

(Formula)

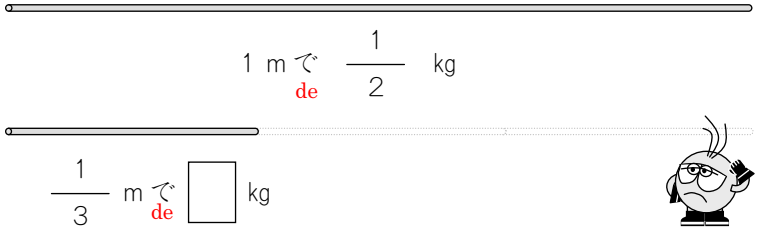
(Answer)

「板の長さと重さ」の問題に置き換えて解いてみる。

4

1 mの おもさが $\frac{1}{2}$ kgの はりがねが あります。
Ichi meetoru no omosa ga kiroguramu no harigane ga arimasu

この はりがね $\frac{1}{3}$ mでは、なんkgに なりますか。
Kono harigane dewa nan ni narimasuka



はりがねの ながさ Harigane no nagasa	1 m →	$\frac{1}{3}$ m
はりがねの おもさ Harigane no omosa	$\frac{1}{2}$ kg →	□ kg

はりがねの ながさが $\frac{1}{3}$ に なったので、
Harigane no nagasa ga ni natta node

はりがねの おもさも $\frac{1}{3}$ に なります。
Harigane no omosa mo ni narimasu

$\frac{1}{2}$ kgの $\frac{1}{3}$ は なんkgですか。
no wa nan desuka

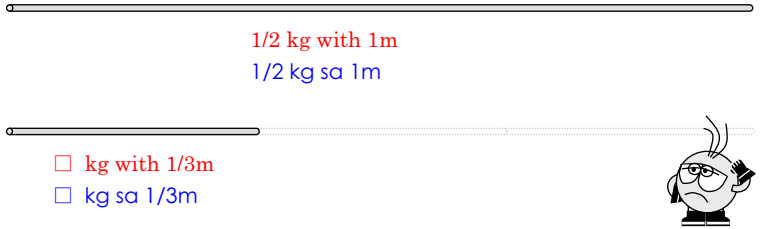
（しき）

（こたえ）

「板の長さと重さ」の問題に置き換えて解いてみる。

4

There is a wire whose weight per 1m is 1/2kg.
Mayroong kawad na ang kabigatan ng 1m nito ay 1/2kg.
How many kg is 1/3m of this wire?
Ilang kg ang 1/3m ng kawad na ito?



length of the wire haba ng kawad	1 m →	$\frac{1}{3}$ m
weight of the wire kabigatan ng kawad	$\frac{1}{2}$ kg →	□ kg

The length of the wire became 1/3, so the weight of the wire also becomes 1/3.
Ang haba ng kawad ay naging 1/3 kaya ang kabigatan nito ay naging 1/3 din.

How many kg is 1/3 of 1/2kg?
Ilang kg ang 1/3 ng 1/2kg?

（Formula）

（Answer）