



在日フィリピン人児童のための算数教材 分数マスター・日本語クリアー
Mga Kagamitan sa Pagtuturo sa Matematika Para sa mga Estudyanteng Pilipinong Naninirahan sa Japan
BUNSUU MASTER NIHONGO CLEAR

18課 / Lesson 18 / Leksyon 18

ようごとふん / Words and phrases / Mga Salita

ようご	Words	Mga salita
かきかえる	to rearrange / to rewrite	isulat (sa ibang paraan)



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【内容】 Contents Mga Nilalaman

①分数÷分数の割り算が用いられる場面
②分数÷分数の割り算の方法
①The case where division, fraction÷fraction is applied.
②The method of division, fraction÷fraction.
①Kalagayan kung saan ginagamit ang division, fraction÷fraction.
②Paraan ng division, fraction÷fraction.

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

新出表現なし
No new contents given.
Walang mga nilalaman na bagong labas.



18 ぶんすうのわりざん ②

Bunsuu no warizan

(長方形の面積) ÷ (一辺) で他の一辺の長さが求められることを知る。

1

たてが 2 m、めんせきが 6 m²の ちょうほうけいがあります。

Tate ga menseki ga no choohookee ga arimasu

よこは なん m ですか。

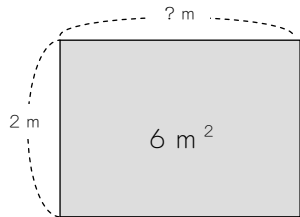
Yoko wa nan desuka

(たて) × (よこ) = (めんせき)

Tate kakeru yoko menseki

$$2 \times \square = 6$$

$$\square = 6 \div 2$$



だから、よこの ながさは 3 m です。

Dakara yoko no nagasa wa desu

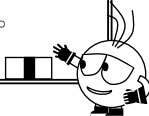
(たて) × (よこ) = (めんせき) の しきは
no shiki wa

(めんせき) ÷ (たて) = (よこ) と

Menseki waru tate yoko to

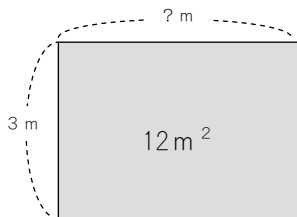
かきかえることができます。

kakikaeru koto ga dekimasu



これを つかって よこの ながさを けいさんしましょう。

Kore o tsukatte yoko no nagasa o keesan shimashoo



18 ぶんすうのわりざん ②

(長方形の面積) ÷ (一辺) で他の一辺の長さが求められることを知る。

1

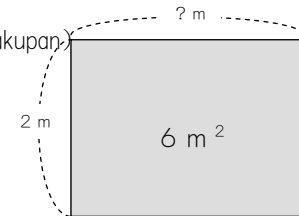
There is a rectangle whose length is 2m and area is 6 m². How many meters is the width?

Mayroong rectangle na may haba ng 2m at may kasakupan na 6 m². Ilang m ang lapad nito?

(length/haba) × (width/lapad) = (area/kasakupan)

$$2 \times \square = 6$$

$$\square = 6 \div 2$$



So the width is 3m.

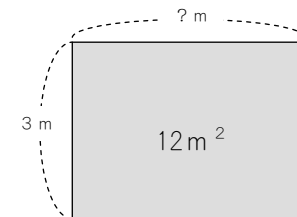
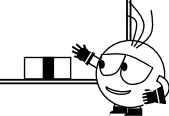
Kaya ang lapad nito ay 3m.

The math formula (length) × (width) = (area) can be changed into (area) ÷ (length)=(width).

Ang math formula na (haba) × (lapad) = (laki / kasakupan) ay maaaring palitan ng (laki / kasakupan) ÷ (haba)=(lapad).

Use this to calculate the width.

Kalkulahin ang lapad sa gamit nito.



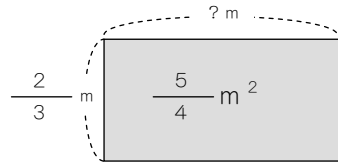
2

(分数) ÷ (分数) の場面を知る。

めんせきが $\frac{5}{4}$ m²、たてが $\frac{2}{3}$ mの ちょうほうけいが
 Menseki ga $\frac{5}{4}$ m² tate ga $\frac{2}{3}$ m no choohookee ga
 あります。よこは なんmですか。
 arimasu Yoko wa nan desuka

Menseki waru tate yoko
 (めんせき) ÷ (たて) = (よこ)

$$\frac{5}{4} \div \frac{2}{3} =$$



(ぶんすう) ÷ (ぶんすう) の けいさんですね。
 Bunsuu waru bunsuu no keesan desune

(ぶんすう) ÷ (ぶんすう) の けいさんは こうします。

Bunsuu waru bunsuu no keesan wa kooshimasu

$$\frac{5}{4} \div \frac{2}{3} = \frac{5 \times 3}{4 \times 2}$$



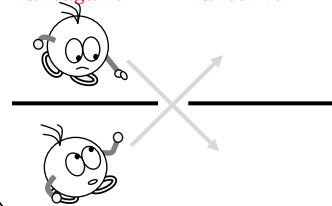
① ÷ → ×

② $\frac{2}{3} \rightarrow \frac{3}{2}$

$$\frac{5 \times 3}{4 \times 2} = \frac{15}{8}$$

(こたえ) $\frac{15}{8}$ m²
 Kotae

ぶんすうで わるときは、
 Bunsuu de warutoki wa
 かけあがって、かけおいて。
 kakeagatte kakeorite



2

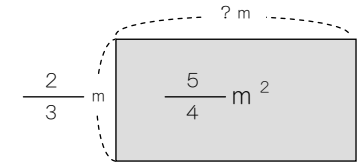
(分数) ÷ (分数) の場面を知る。

There is a rectangle whose length is $\frac{2}{3}$ m and area is $\frac{5}{4}$ m². How many meters is the width?

Mayroong rectangle na may haba ng $\frac{2}{3}$ m at may kasakupan na $\frac{5}{4}$ m². Ilang m ang lapad nito?

(area) ÷ (length) = (width)

$$\frac{5}{4} \div \frac{2}{3} =$$



This is the calculation of (fraction)÷(fraction).
 Ito ay ang pag-kalkula ng (fraction)÷(fraction).

This is how to calculate (fraction)÷(fraction).

Makakalkula ang (fraction)÷(fraction) sa ganitong paraan.

$$\frac{5}{4} \div \frac{2}{3} = \frac{5 \times 3}{4 \times 2}$$



① ÷ → ×

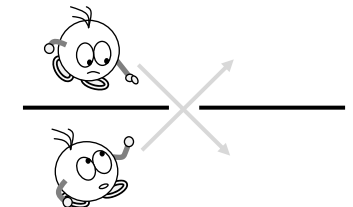
② $\frac{2}{3} \rightarrow \frac{3}{2}$

$$\frac{5 \times 3}{4 \times 2} = \frac{15}{8}$$

(Answer) $\frac{15}{8}$ m²

In calculation of division by fraction, turn the second fraction upside down (reciprocal) and multiply.

Sa kalkulasyon ng division ng fraction, kailangang baliktarin ang pangalawang fraction at kalkulahin ang multiplication.

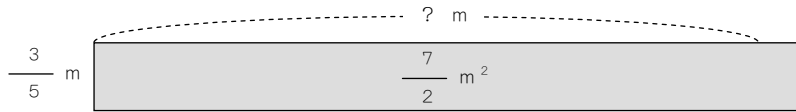


3

分数÷分数の計算を試みる。

めんせきが $\frac{7}{2}$ m²、たてが $\frac{3}{5}$ mの ちょうほうけいの
 Menseki ga $\frac{7}{2}$ m², tate ga $\frac{3}{5}$ m no choohookee no

よこは なんmですか。
 yoko wa nan desuka



[しき] (めんせき) ÷ (たて) =
 shiki menseki waru tate

$$\frac{\square}{\square} \div \frac{\square}{\square} = \frac{\square}{\square} \times \frac{\square}{\square}$$

$$= \frac{\square}{\square}$$

(こたえ) よこ m
 kotae yoko

つぎの わりざんを しましょう。
 Tsugi no warizan o shimashoo

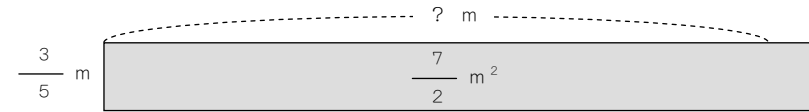
$$\frac{3}{8} \div \frac{5}{7}$$

3

分数÷分数の計算を試みる。

There is a rectangle whose length is $\frac{3}{5}$ m and area is $\frac{7}{2}$ m². How many meters is the width?

Mayroong rectangle na may haba ng $\frac{3}{5}$ m at may kasakupan na $\frac{7}{2}$ m². Ilang m ang lapad nito?



[Formula] (area) ÷ (length) =

$$\frac{\square}{\square} \div \frac{\square}{\square} = \frac{\square}{\square} \times \frac{\square}{\square}$$

$$= \frac{\square}{\square}$$

(Answer) width m

Calculate the following division.

Kalkulahin ang mga sumusunod na division.

$$\frac{3}{8} \div \frac{5}{7}$$

4

(分数) ÷ (分数) でも約分してから計算する方法が使えることを知る。


$\frac{6}{7} \div \frac{3}{5}$ のけいさんをしましょう。
no keesan o shimashoo

$$\frac{6}{7} \div \frac{3}{5} = \frac{\overset{\boxed{2}}{6} \times 5}{7 \times \underset{\boxed{1}}{3}}$$

$$= \frac{\cancel{2} \times 5}{7 \times \cancel{3}}$$

$$= \underline{\hspace{2cm}}$$

6も3も3でわれますね。
mo mo de waremasune
 $6 \div 3 = 2$
 $3 \div 3 = 1$



つぎのわりざんをしましょう。

- ① $\frac{6}{7} \div \frac{5}{7} = \frac{\quad \times}{\quad \times}$
- ② $\frac{3}{8} \div \frac{3}{4} = \underline{\hspace{2cm}}$
- ③ $\frac{3}{5} \div \frac{6}{35} = \underline{\hspace{2cm}}$

4

(分数) ÷ (分数) でも約分してから計算する方法が使えることを知る。


Calculate $6/7 \div 3/5$.
Kalkulahin ang $6/7 \div 3/5$.

$$\frac{6}{7} \div \frac{3}{5} = \frac{\overset{\boxed{2}}{6} \times 5}{7 \times \underset{\boxed{1}}{3}}$$

$$= \frac{\cancel{2} \times 5}{7 \times \cancel{3}}$$

$$= \underline{\hspace{2cm}}$$

6 and 3 can be divided by 3.
Ang 6 at 3 ay mahahati sa 3.
 $6 \div 3 = 2$
 $3 \div 3 = 1$



Calculate the following division.
Kalkulahin ang mga sumusunod na division.

- ① $\frac{6}{7} \div \frac{5}{7} = \frac{\quad \times}{\quad \times}$
- ② $\frac{3}{8} \div \frac{3}{4} = \underline{\hspace{2cm}}$
- ③ $\frac{3}{5} \div \frac{6}{35} = \underline{\hspace{2cm}}$