



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*

16課 / Lesson 16 / Leksyon 16

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

ようご	Words	Mga salita
めんせき	area	sukat / laki



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## 16課/Lesson 16/Leksyon 16

### 【内容】 Contents Mga Nilalaman

①分数×分数の掛け算が用いられる場面
②分数×分数の掛け算の方法
①The case where multiplication, fraction×fraction is applied.
②The method of multiplication, fraction×fraction.
①Kalagayan kung saan ginagamit ang multiplication, fraction×fraction.
②Paraan ng multiplication, 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.



# 16 ぶんすうの かけざん ②

Bunsuu no kakezan

分数の掛け算場面 (分数×分数) を知る。

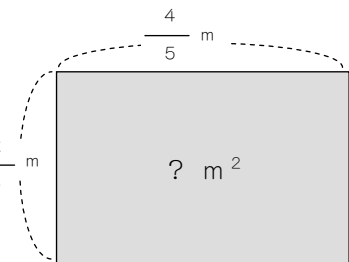
1

たて  $\frac{2}{3}$  m、よこ  $\frac{4}{5}$  m の ちょうほうけいの めんせきは、  
(ひろさ)

Tate meeteru yoko no choohooke no menseki wa  
 なん m<sup>2</sup> になりますか。  
 nan heehoomeeteru ni narimasu ka

(たて) × (よこ) = (めんせき)  
 Tate kakeru Yoko menseki

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

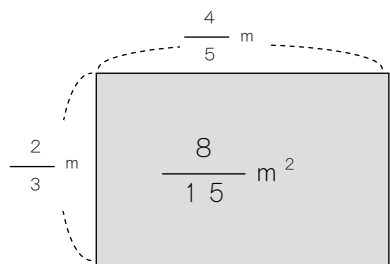


(ぶんすう) × (ぶんすう) の ときは こうします。

Bunsuu kakeru bunsuu no toki wa koo shimasu

$$\frac{2}{3} \times \frac{4}{5} = \frac{2 \times 4}{3 \times 5} \begin{matrix} \text{---} \rightarrow \boxed{2 \times 4 = 8} \text{---} \rightarrow \frac{8}{15} \\ \text{---} \rightarrow \boxed{3 \times 5 = 15} \text{---} \rightarrow 15 \end{matrix}$$

$$= \frac{8}{15}$$



(こたえ)  $\frac{8}{15}$  m<sup>2</sup>  
 kotae



# 16 ぶんすうの かけざん ②

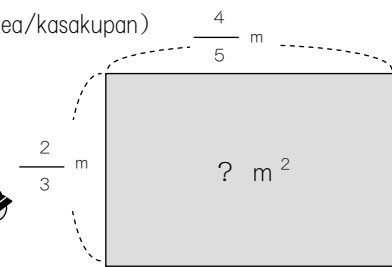
分数の掛け算場面 (分数×分数) を知る。

1

How many m<sup>2</sup> is the area of a rectangle, 2/3m long and 4/5m wide?  
 Ilang m<sup>2</sup> ang kasakupan ng rectangle na may haba na 2/3m at may lapad na 4/5m?

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

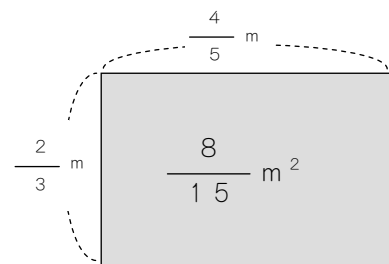
$$\frac{2}{3} \times \frac{4}{5} =$$



Do like this when calculating (fraction) × (fraction).  
 Makakalkula ang (fraction) × (fraction) sa ganitong paraan.

$$\frac{2}{3} \times \frac{4}{5} = \frac{2 \times 4}{3 \times 5} \begin{matrix} \text{---} \rightarrow \boxed{2 \times 4 = 8} \text{---} \rightarrow \frac{8}{15} \\ \text{---} \rightarrow \boxed{3 \times 5 = 15} \text{---} \rightarrow 15 \end{matrix}$$

$$= \frac{8}{15}$$



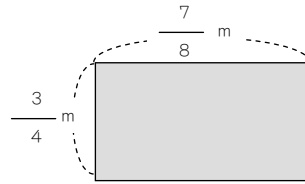
(Answer)  $\frac{8}{15}$  m<sup>2</sup>

2

分数×分数の計算をしてみる。

たて  $\frac{3}{4}$  m、よこ  $\frac{7}{8}$  m の ちょうほうけいの ひろさは  
 Tate  $\frac{3}{4}$  m、 yoko  $\frac{7}{8}$  m no choohookee no hirosa wa

なん  $m^2$  ですか。  
 nan desu ka



(しき)  
 shiki

$$\square \times \square =$$

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

(こたえ)  
 kotae



つぎの かけざんを しましょう。  
 Tsugi no kakezan o shimashoo

$$\textcircled{1} \frac{2}{5} \times \frac{2}{7} = \frac{\quad \times}{\quad \times}$$

$$\textcircled{2} \frac{5}{6} \times \frac{7}{3} = \underline{\hspace{2cm}}$$

$$\textcircled{3} \frac{4}{9} \times \frac{5}{3} = \underline{\hspace{2cm}}$$

2

分数×分数の計算をしてみる。

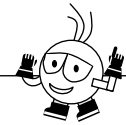
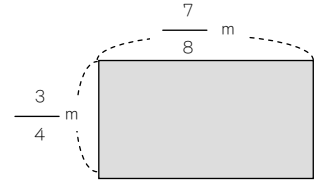
How many  $m^2$  is the area of a rectangle,  $\frac{3}{4}m$  long and  $\frac{7}{8}m$  wide?  
 Ilang  $m^2$  ang kasakupan ng rectangle na may haba na  $\frac{3}{4}m$  at may lapad na  $\frac{7}{8}m$ ?

(Formula)

$$\square \times \square =$$

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

(Answer)



Calculate the following multiplication.

Kalkulahin ang mga sumusunod na multiplication.

$$\textcircled{1} \frac{2}{5} \times \frac{2}{7} = \frac{\quad \times}{\quad \times}$$

$$\textcircled{2} \frac{5}{6} \times \frac{7}{3} = \underline{\hspace{2cm}}$$

$$\textcircled{3} \frac{4}{9} \times \frac{5}{3} = \underline{\hspace{2cm}}$$

3

約分してから計算する方法を知る（約分できる数が1組）。

$\frac{6}{7} \times \frac{1}{4}$  のけいさんをしましょう。  
no keesan o shimashoo

$$\frac{6}{7} \times \frac{1}{4} = \frac{\textcircled{6} \times 1}{7 \times \textcircled{4}}$$

6と4でやくぶんできます。  
to de yakubun dekimasu



$$= \frac{\boxed{3} \times 1}{7 \times \cancel{4}} \quad \boxed{2}$$

6も4も2でわれますね。  
mo mo de waremasu ne  
 $6 \div 2 = 3$   
 $4 \div 2 = 2$

$$= \frac{3}{14}$$

つぎのかけざんをしましょう。

$$\textcircled{1} \frac{2}{5} \times \frac{3}{4} = \frac{\quad \times}{\quad \times}$$

$$\textcircled{2} \frac{5}{6} \times \frac{3}{7} = \underline{\hspace{2cm}}$$

$$\textcircled{3} \frac{4}{9} \times \frac{3}{5} = \underline{\hspace{2cm}}$$

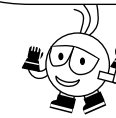
3

約分してから計算する方法を知る（約分できる数が1組）。

Calculate  $6/7 \times 1/4$ .Kalkulahin ang  $6/7 \times 1/4$ .

$$\frac{6}{7} \times \frac{1}{4} = \frac{\textcircled{6} \times 1}{7 \times \textcircled{4}}$$

6 and 4 can be reduced.  
Ang 6 at 4 ay maaaring i-reduce.



$$= \frac{\boxed{3} \times 1}{7 \times \cancel{4}} \quad \boxed{2}$$

6 and 4 can be reduced by 2.  
Ang 6 at 4 ay mahahati sa 2.

$$6 \div 2 = 3$$

$$4 \div 2 = 2$$

$$= \frac{3}{14}$$

Calculate the following multiplication.

Kalkulahin ang mga sumusunod na multiplication.

$$\textcircled{1} \frac{2}{5} \times \frac{3}{4} = \frac{\quad \times}{\quad \times}$$

$$\textcircled{2} \frac{5}{6} \times \frac{3}{7} = \underline{\hspace{2cm}}$$

$$\textcircled{3} \frac{4}{9} \times \frac{3}{5} = \underline{\hspace{2cm}}$$

4

約分してから計算する方法に慣れる (約分できる数が2組)。

とちゅうで やくぶんして けいさんしましょう。  
 Tochuu de yakubun shite keesan shimashoo

$$\frac{8}{9} \times \frac{3}{10} = \frac{8 \times 3}{9 \times 10}$$

8と10、3と9で  
 to to de  
 やくぶんできます。  
 yakubun dekimasu



$8 \div 2 = 4$	$3 \div 3 = 1$
$10 \div 2 = 5$	$9 \div 3 = 3$

$$= \frac{\boxed{4} \ \boxed{1}}{\boxed{9} \times \boxed{10}} \longrightarrow \frac{4}{15}$$

$$= \frac{4}{15}$$

つぎの かけざんを しましょう。

- ①  $\frac{4}{9} \times \frac{3}{2} = \frac{\quad \times}{\quad \times}$
- ②  $\frac{3}{7} \times \frac{14}{15} = \frac{\quad}{\quad}$

4

約分してから計算する方法に慣れる (約分できる数が2組)。

Calculate by reducing along the way.  
 Kalkulahin sa pag-rerreduce sa kalagitnaan.

$$\frac{8}{9} \times \frac{3}{10} = \frac{8 \times 3}{9 \times 10}$$

8 and 10, 3 and 9 can be reduced.  
 Ang 8 at 10, 3 at 9 ay maaaring i-reduce.



$8 \div 2 = 4$	$3 \div 3 = 1$
$10 \div 2 = 5$	$9 \div 3 = 3$

$$= \frac{\boxed{4} \ \boxed{1}}{\boxed{9} \times \boxed{10}} \longrightarrow \frac{4}{15}$$

$$= \frac{4}{15}$$

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

- ①  $\frac{4}{9} \times \frac{3}{2} = \frac{\quad \times}{\quad \times}$
- ②  $\frac{3}{7} \times \frac{14}{15} = \frac{\quad}{\quad}$