16課 / Lesson 16 / Leksyon 16

ようごとぶん / Words and phrases / Mga Salita

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

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

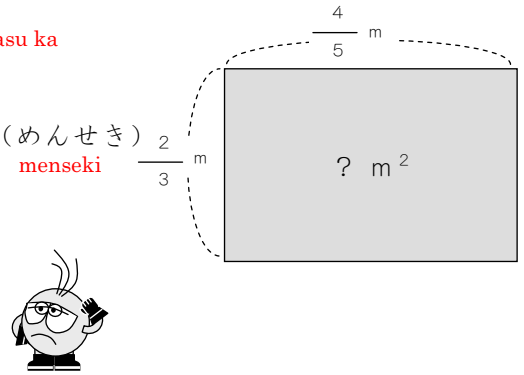
新出表現なし
No new contents given.
Walang mga nilalaman na bagong labas.

16 ぶんすうの かけざん ②

Bunsuu no kakezan

1 分数の掛け算場面（分数×分数）を知る。

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（ひろさ）は、
Tate meetoru yoko no choohookee no menseki wa
なんm²に なりますか。
nan heehoomeetoru ni narimasu ka



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

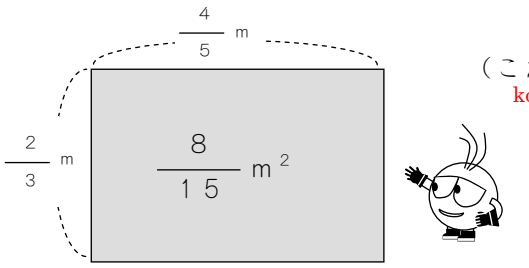
$$\frac{2}{3} \times \frac{4}{5} =$$

（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

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

2×4=8
3×5=15

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



（こたえ） $\frac{8}{15}$ m²
kotae

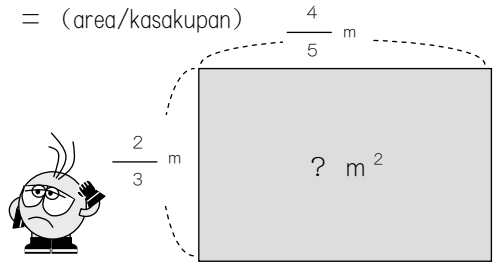
16 ぶんすうの かけざん ②

1 分数の掛け算場面（分数×分数）を知る。

How many ㎡ is the area of a rectangle, 2/3m long and 4/5m wide?
Ilang ㎡ ang kasakupan ng rectangle na may haba na 2/3m at may lapad na 4/5m?

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

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

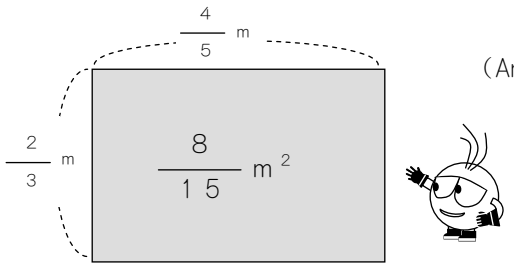


Do like this when calculating (fraction) × (fraction).
Makakalkula ang (fraction) × (fraction) sa ganitong paraan.

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

2×4=8
3×5=15

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



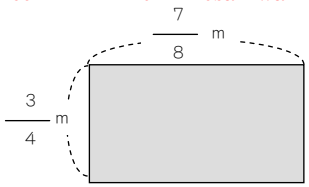
（Answer） $\frac{8}{15}$ m²

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 yoko no choohookee no hirosa wa

なんm²ですか。
nan desu ka



（しき）
shiki

$\square \times \square = \square$

$\dfrac{\square \times \square}{\square \times \square} = \dfrac{\square}{\square}$

（こたえ）
kotae

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

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

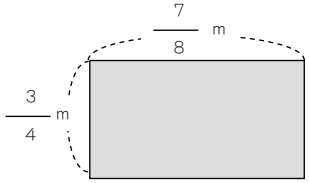
② $\frac{5}{6} \times \frac{7}{3} =$ ＿＿＿＿

③ $\frac{4}{9} \times \frac{5}{3} =$ ＿＿＿＿

2

分数×分数の計算をしてみる。

How many ㎡ is the area of a rectangle, 3/4m long and 7/8m wide?
Ilang ㎡ ang kasakupan ng rectangle na may haba na 3/4m at may lapad na 7/8m?



(Formula) $\square \times \square =$

$\dfrac{\square \times \square}{\square \times \square} = \dfrac{\square}{\square}$

(Answer)

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

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

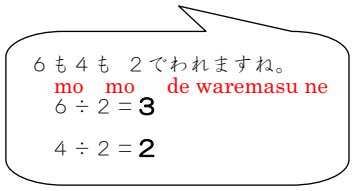
② $\frac{5}{6} \times \frac{7}{3} =$ ＿＿＿＿

③ $\frac{4}{9} \times \frac{5}{3} =$ ＿＿＿＿

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

$$\frac{6}{7} \times \frac{1}{4} = \frac{6 \times 1}{7 \times 4} = \frac{\overset{3}{\cancel{6}} \times 1}{7 \times \underset{2}{\cancel{4}}} = \frac{3}{14}$$



つぎの かけざんを しましょう。

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

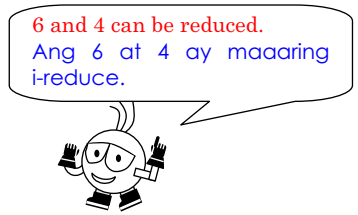
② $\frac{5}{6} \times \frac{3}{7} =$ ＿＿＿＿

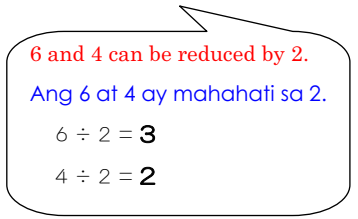
③ $\frac{4}{9} \times \frac{3}{5} =$ ＿＿＿＿

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 × 1/4.
Kalkulahin ang 6/7 × 1/4.

$$\frac{6}{7} \times \frac{1}{4} = \frac{6 \times 1}{7 \times 4} = \frac{\overset{3}{\cancel{6}} \times 1}{7 \times \underset{2}{\cancel{4}}} = \frac{3}{14}$$





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

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

② $\frac{5}{6} \times \frac{3}{7} =$ ＿＿＿＿

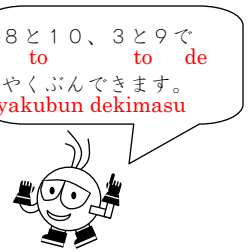
③ $\frac{4}{9} \times \frac{3}{5} =$ ＿＿＿＿

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

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



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

$$= \frac{\boxed{4} \quad \boxed{1}}{8 \times 3 \atop 9 \times 10} \quad \begin{matrix} \rightarrow 4 \\ \\ \rightarrow 15 \end{matrix}$$
$\boxed{3}$ $\boxed{5}$

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

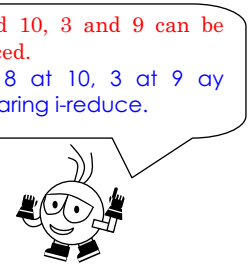
つぎの かけざんを しましょう。

① $\frac{4}{9} \times \frac{3}{2} = \frac{\times}{\times}$

② $\frac{3}{7} \times \frac{14}{15} =$ ＿＿＿＿

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

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



$8 \div 2 = 4$	$3 \div 3 = 1$
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$$= \frac{\boxed{4} \quad \boxed{1}}{8 \times 3 \atop 9 \times 10} \quad \begin{matrix} \rightarrow 4 \\ \\ \rightarrow 15 \end{matrix}$$
$\boxed{3}$ $\boxed{5}$

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

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

① $\frac{4}{9} \times \frac{3}{2} = \frac{\times}{\times}$

② $\frac{3}{7} \times \frac{14}{15} =$ ＿＿＿＿