



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

20課/Lesson 20/Leksyon 20

【内容】 Contents Mga Nilalaman

① 掛け算と割り算が混じった分数の計算方法
① The method of calculation of fraction with mix of multiplication and division.
① Paraan ng pagkalkula ng fraction na may magkasamang division at multiplication.

【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.



20 かけざん・わりざん いっしょに

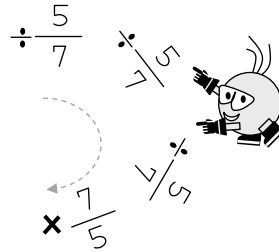
Kakezan warizan isshoni

掛け算と割り算が混じった分数の計算方法を知る。

1

かけざんとわりざんがまざったけいさんのしかたを
Kakezan to warizan ga mazatta keesan no shikata o
 べんきょうしましょう。
benkyoo shimashoo

$$\begin{aligned} & \frac{1}{3} \div \frac{5}{7} \times \frac{1}{2} \\ &= \frac{1}{3} \times \frac{7}{5} \times \frac{1}{2} \\ &= \frac{1 \times 7 \times 1}{3 \times 5 \times 2} \\ &= \frac{7}{30} \end{aligned}$$



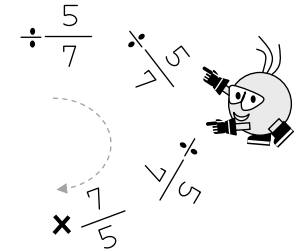
20 かけざん・わりざん いっしょに

掛け算と割り算が混じった分数の計算方法を知る。

1

Learn how to solve the calculation with multiplication and division.
 Pag-aralan kung paano kalkulihin ang mga magkahalong division at multiplication.

$$\begin{aligned} & \frac{1}{3} \div \frac{5}{7} \times \frac{1}{2} \\ &= \frac{1}{3} \times \frac{7}{5} \times \frac{1}{2} \\ &= \frac{1 \times 7 \times 1}{3 \times 5 \times 2} \\ &= \frac{7}{30} \end{aligned}$$



けいさんしましょう。
Keesan shimashoo

$$\begin{aligned} & \frac{1}{5} \div \frac{2}{3} \times \frac{1}{7} \\ &= \frac{1}{5} \times \frac{\square}{\square} \times \frac{1}{7} \\ &= \frac{1 \times \square \times 1}{5 \times \square \times 7} = \underline{\hspace{2cm}} \end{aligned}$$

Calculate.
 Kalkulahin.

$$\begin{aligned} & \frac{1}{5} \div \frac{2}{3} \times \frac{1}{7} \\ &= \frac{1}{5} \times \frac{\square}{\square} \times \frac{1}{7} \\ &= \frac{1 \times \square \times 1}{5 \times \square \times 7} = \underline{\hspace{2cm}} \end{aligned}$$

2

掛け算と割り算が混じった分数の計算方法に慣れる①A÷B×C

つぎの けいさんを しましょう。

Tsugi no keesan o shimashoo

$$\begin{aligned} \textcircled{1} \quad & \frac{1}{4} \div \frac{3}{5} \times \frac{1}{2} \\ & \downarrow \\ & = \frac{1}{4} \times \frac{\square}{\square} \times \frac{1}{2} \\ & = \frac{1 \times \square \times 1}{4 \times \square \times 2} = \underline{\hspace{2cm}} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & \frac{3}{2} \div \frac{3}{5} \times \frac{7}{5} \\ & = \frac{3}{2} \times \frac{\square}{\square} \times \frac{7}{5} \\ & = \frac{\textcircled{3} \times \square \times \textcircled{5} \times 7}{2 \times \textcircled{3} \times \square \times \textcircled{5}} = \underline{\hspace{2cm}} \end{aligned}$$



やくぶんできますね。
Yakubun dekimasune

つぎの もんだいを ノートに かいて けいさんしましょう。

Tsugi no mondai o nooto ni kaite keesan shimashoo

$$\frac{2}{3} \div \frac{7}{9} \times \frac{1}{8}$$

2

掛け算と割り算が混じった分数の計算方法に慣れる①A÷B×C

Calculate the following.

Kalkulahin ang mga sumusunod.

$$\begin{aligned} \textcircled{1} \quad & \frac{1}{4} \div \frac{3}{5} \times \frac{1}{2} \\ & \downarrow \\ & = \frac{1}{4} \times \frac{\square}{\square} \times \frac{1}{2} \\ & = \frac{1 \times \square \times 1}{4 \times \square \times 2} = \underline{\hspace{2cm}} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & \frac{3}{2} \div \frac{3}{5} \times \frac{7}{5} \\ & = \frac{3}{2} \times \frac{\square}{\square} \times \frac{7}{5} \\ & = \frac{\textcircled{3} \times \square \times \textcircled{5} \times 7}{2 \times \textcircled{3} \times \square \times \textcircled{5}} = \underline{\hspace{2cm}} \end{aligned}$$



It can be reduced.
Maaaring i-reduce.

Write the following question in your notebook and calculate.

Isulat ang mga sumusunod na suliranin sa iyong notebook at kalkulahin.

$$\frac{2}{3} \div \frac{7}{9} \times \frac{1}{8}$$

3

掛け算と割り算が混じった分数の計算方法に慣れる②A×B÷C

つぎの けいさんを しましょう。

$$\textcircled{1} \frac{3}{7} \times \frac{1}{2} \div \frac{9}{14}$$

$$= \frac{3}{7} \times \frac{1}{2} \times \frac{14}{9}$$

$$= \frac{\boxed{3} \times 1 \times \boxed{14}}{\boxed{7} \times \boxed{2} \times \boxed{9}}$$

$$\boxed{7 \times 2}$$

$$\boxed{3 \times 3}$$



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

$$\textcircled{2} \frac{3}{5} \times \frac{1}{4} \div \frac{9}{25}$$

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

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

$$\boxed{5 \times 5}$$

$$\boxed{3 \times 3}$$



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

3

掛け算と割り算が混じった分数の計算方法に慣れる②A×B÷C

Calculate the following.

Kalkulahin ang mga sumusunod.

$$\textcircled{1} \frac{3}{7} \times \frac{1}{2} \div \frac{9}{14}$$

$$= \frac{3}{7} \times \frac{1}{2} \times \frac{14}{9}$$

$$= \frac{\boxed{3} \times 1 \times \boxed{14}}{\boxed{7} \times \boxed{2} \times \boxed{9}}$$

$$\boxed{7 \times 2}$$

$$\boxed{3 \times 3}$$



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

$$\textcircled{2} \frac{3}{5} \times \frac{1}{4} \div \frac{9}{25}$$

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

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

$$\boxed{5 \times 5}$$

$$\boxed{3 \times 3}$$



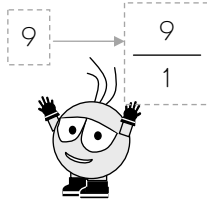
$$= \frac{\square}{\square}$$

4

掛け算と割り算が混じった分数の計算方法に慣れる③整数が混じっている場合

つぎの けいさんを しましょう。

$$\begin{aligned} \textcircled{1} \quad & \frac{1}{4} \times \frac{9}{} \div \frac{5}{8} \\ &= \frac{1}{4} \times \frac{9}{1} \div \frac{5}{8} \\ &= \frac{1}{4} \times \frac{9}{1} \times \frac{}{} \\ &= \frac{ \times }{ \times } \\ &= \frac{}{} \end{aligned}$$



$$\begin{aligned} \textcircled{2} \quad & \frac{2}{3} \times \frac{6}{} \div \frac{3}{5} \\ &= \frac{2}{3} \times \frac{}{} \div \frac{3}{5} \\ &= \frac{2}{3} \times \frac{}{} \times \frac{}{} \\ &= \frac{ \times }{ \times } \\ &= \frac{}{} \end{aligned}$$

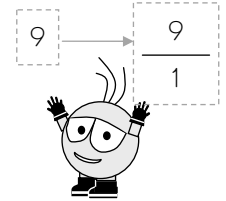
4

掛け算と割り算が混じった分数の計算方法に慣れる③整数が混じっている場合

Calculate the following.

Kalkulahin ang mga sumusunod.

$$\begin{aligned} \textcircled{1} \quad & \frac{1}{4} \times \frac{9}{} \div \frac{5}{8} \\ &= \frac{1}{4} \times \frac{9}{1} \div \frac{5}{8} \\ &= \frac{1}{4} \times \frac{9}{1} \times \frac{}{} \\ &= \frac{ \times }{ \times } \\ &= \frac{}{} \end{aligned}$$



$$\begin{aligned} \textcircled{2} \quad & \frac{2}{3} \times \frac{6}{} \div \frac{3}{5} \\ &= \frac{2}{3} \times \frac{}{} \div \frac{3}{5} \\ &= \frac{2}{3} \times \frac{}{} \times \frac{}{} \\ &= \frac{ \times }{ \times } \\ &= \frac{}{} \end{aligned}$$