



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

13課 / Lesson 13 / Leksyon 13

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

ようご	Words	Mga salita
きまり	rule	alituntunin
はんぶん	half	kalahati

ぶん	Phrases	Grupo ng mga salita
わりざんの きまり	rules of division	alituntunin ng paghahati (division)
はんぶんになります。	It becomes half.	Magiging kalahati.



### 13課/Lesson 13/Leksyon 13

#### 【内容】 Contents Mga Nilalaman

① (除数) をA倍にすると (商) はA分の1になること。
② (被除数) をA倍にすると、(商) もA倍になること。
① When 「JOSUU」 (divisor) will be made "A" times, 「SHOU」 (quotient) will be [one / "A"].
② When 「HIJOSUU」 (dividend) will be times by "A", the 「SHOU」 (quotient) will will be also times by "A".
① Pag ang 「JOSUU」 (divisor) ay palalaking ng "A" beses, ang 「SHO」 (quotient) ay magiging $1/A$ kahati ng "A".
② Kapag ang 「HIJOSUU」 (dividend) ay pinalaki ng "A" beses, ang sagot 「SHO」 (quotient) ay magiging "A" beses din.

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

① 「～だと」 → 「～が2個だと、～は」
① 「～DATO」 (if) → 「～GA 2KO DATO、～WA」 (If a thing ~ are two pieces, ~ to be....)
① 「～DATO」 → 「～GA 2KO DATO、～WA」 (Kung 2 piraso ang ~, ~ay)

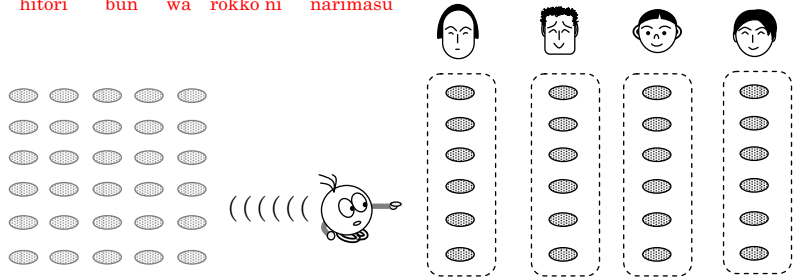


# 13 わりざんの きまり ① 割る数・割られる数・答えの関係

1

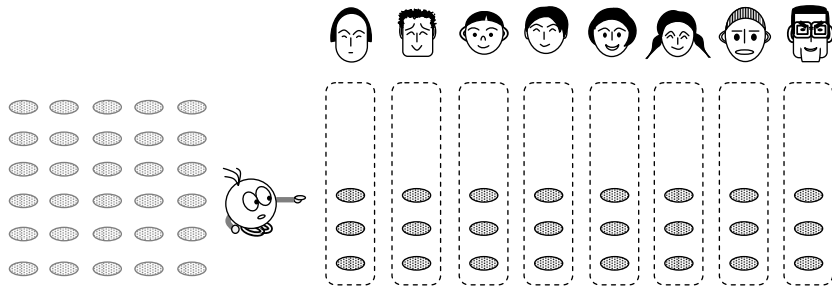
「割る数」が2倍になると、答えが1/2になる場面を知る。

クッキーが24こ あります。4にんに わけると、  
 Kukkkii ga nijuuyon ko arimasu Yonin ni wakeru to  
 ひとりぶんは 6こに なります。  
 hitori bun wa rokko ni narimasu



$$24 \div 4 = 6$$

24こを 8にんに わけると、ひとりぶんは 3こに なります。  
 Nijuuyon ko o hachi nin ni wakeru to hitori bun wa san ko ni narimasu



$$24 \div 8 = 3$$

2ばいに なります。  $\downarrow$   $\uparrow$  はんぶん に なります。

4にんだと、ひとりぶんは 6こ。  
 Yonin da to hitori bun wa rokko

8にんだと、ひとりぶんは 3こ。  
 Hachi nin da to hitori bun wa san ko

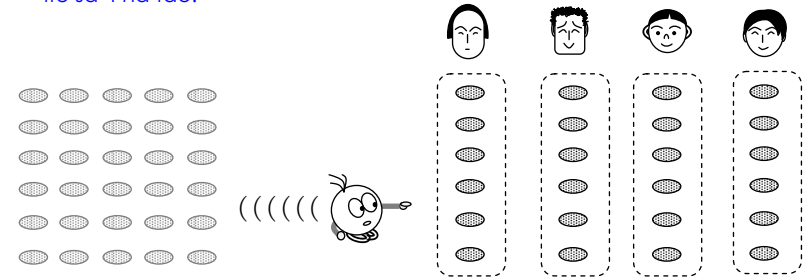


# 13 わりざんの きまり ① 割る数・割られる数・答えの関係

1

「割る数」が2倍になると、答えが1/2になる場面を知る。

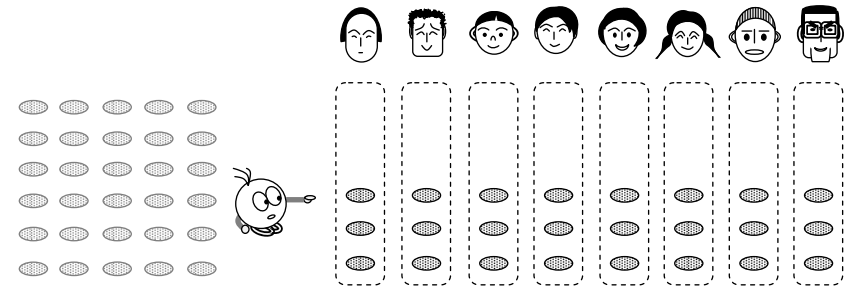
There are 24 cookies. When they are divided by 4 persons, 6 pieces are for one person.  
 May 24 na cookie. Magiging 6 na piraso ang para sa isang tao kapag hinati ito sa 4 na tao.



$$24 \div 4 = 6$$

When 24 pieces are divided by 8 persons, 3 pieces are for one person.

Magiging 3 piraso ang para sa isang tao kapag ang 24 na piraso ay hinati sa 8 tao.



$$24 \div 8 = 3$$

If there are 4 persons, 6 pieces are for one person.  
 Kapag sa 4 na tao, 6 na piraso ang para sa isang tao.

It becomes twice / doubles.  $\downarrow$  It becomes half.  
 Magiging doble.  $\downarrow$  Magiging kalahati.

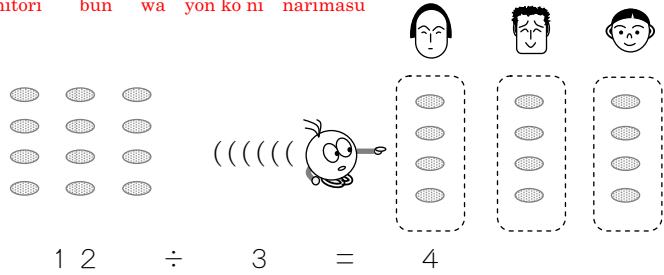
If there are 8 persons, 3 pieces are for one person.  
 Kapag sa 8 tao, 3 piraso ang para sa isang tao.

2

「割る数」が2倍になると、答えが1/2になることを他の問題で確かめる。

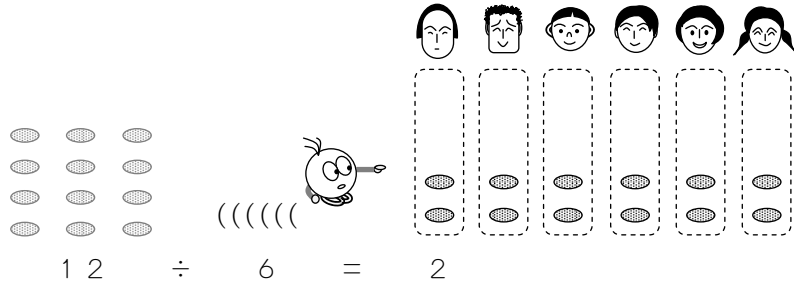
クッキーが12こあります。3にんにわけると、  
 Kukiii ga juuni ko arimasu San nin ni wakeru to

ひとりぶんは4こになります。  
 hitori bun wa yon ko ni narimasu



$$12 \div 3 = 4$$

6にんにわけると、ひとりぶんは2こになります。  
 Roku nin ni wakeru to hitori bun wa ni ko ni narimasu



$$12 \div 6 = 2$$

<p>2ばい Ni bai</p>	<p>3にんだと、ひとりぶんは4こ。 San nin da to hitori bun wa yon ko</p>	<p>はんぶん Hanbun</p>
↓ ↓ ↓		
<p>6にんだと、ひとりぶんは2こ。 Roku nin da to hitori bun wa ni ko</p>		

しきをくらべてみましょう。  
 Shiki o kurabete mimashoo  
 2ばいになりましたか。  
 Ni bai ni narimashitaka  
 はんぶんになりましたか。  
 Hanbun ni narimashitaka

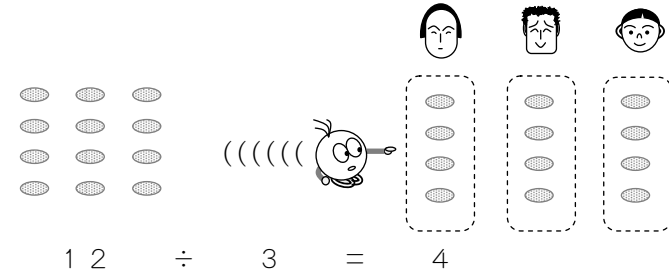
$$12 \div 3 = 4$$

$$12 \div 6 = 2$$

2

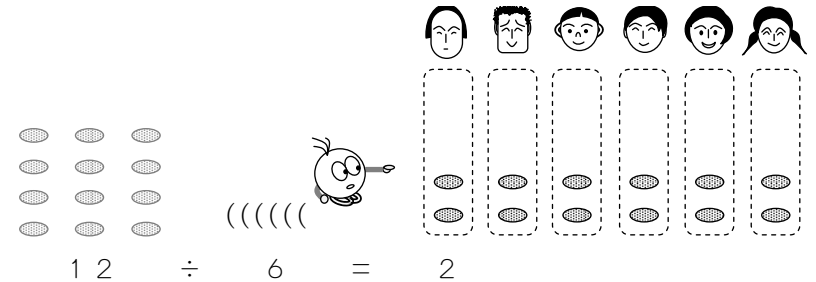
「割る数」が2倍になると、答えが1/2になることを他の問題で確かめる。

There are 12 cookies. When they are divided by 3 persons, 4 pieces are for one person.  
 May 12 cookie. Magiging 4 na piraso ang para sa isang tao kapag hinati ito sa 3 tao.



$$12 \div 3 = 4$$

When divided by 6 persons, 2 pieces are for one person.  
 Magiging 2 piraso ang para sa isang tao, kapag hinati sa 6 na tao.



$$12 \div 6 = 2$$

<p>twice / doubles doble</p>	<p>half kalahati</p>
↓ ↓ ↓	
<p>If there are 6 persons, 2 pieces are for one person.              Kapag sa 6 na tao, 2 piraso ang para sa isang tao.</p>	

Compare the math formulas.  
 Ikumpara ang mga math formula.  
 Did it become twice / double?  
 Naging doble ba?  
 Did it become half?  
 Naging kalahati ba?

$$12 \div 3 = 4$$

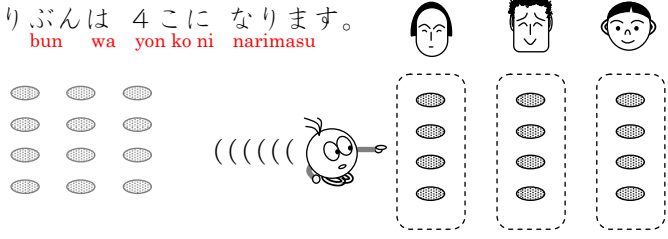
$$12 \div 6 = 2$$

3

「割られる数」が2倍になると、答えも2倍になる場面を知る。

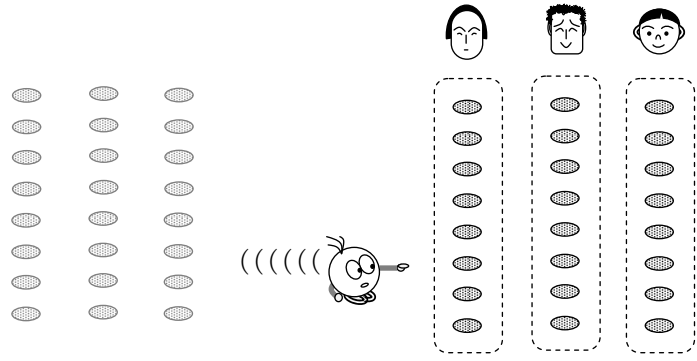
クッキーが12こあります。3人にわけると、  
 Kukki ga juuni ko arimasu San nin ni wakeru to

ひとりぶんは4こになります。  
 hitori bun wa yon ko ni narimasu



12 ÷ 3 = 4

クッキーが24になると、ひとりぶんは8こになります。  
 Kukki ga nijuuyon ko ni naruto hitoribun wa hako ni narimasu



24 ÷ 3 = 8

2ばい Ni bai

12 こだと、ひとりぶんは 4こ。  
 Juuni ko da to hitori bun wa yon ko

24 こだと、ひとりぶんは 8こ。  
 Nijuuyon ko da to hitori bun wa hako

2ばい Nibai

しきをくらべてみましょう。  
 Shiki o kurabete mimashoo

どうなりましたか。  
 Dou narimashitaka

12 ÷ 3 = 4

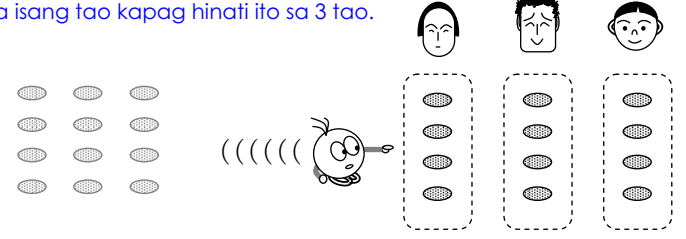
↓ ↓

24 ÷ 3 = 8

3

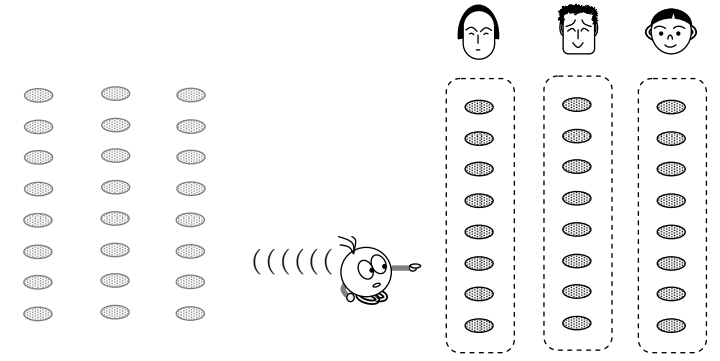
「割られる数」が2倍になると、答えも2倍になる場面を知る。

There are 12 cookies. When they are divided by 3 persons, 4 pieces are for one person.  
 May 12 cookie. Magiging 4 na piraso ang para sa isang tao kapag hinati ito sa 3 tao.



12 ÷ 3 = 4

When the number of cookies becomes 24, 8 pieces are for one person.  
 Kapag ang bilang ng cookie ay naging 24, magiging 8 piraso ang para sa isang tao.



24 ÷ 3 = 8

If there are 12 pieces, 4 pieces are for one person.  
 Kapag may 12 piraso, 4 piraso ang para sa isang tao.

twice / doubles. ↓ half.  
 doble. ↓ kalahati.

If there are 24 pieces, 8 pieces are for one person.  
 Kapag may 24 na piraso, 8 piraso ang para sa isang tao.

Compare the math formulas.  
 Ikumpara ang mga math formula.  
 How did it change?  
 Paano nagbago?

12 ÷ 3 = 4

↓ ↓

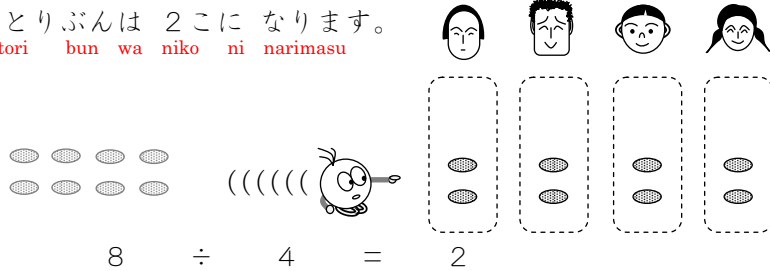
24 ÷ 3 = 8

4

「割られる数」が2倍になると、答えも2倍になることを他の場面で確かめる。

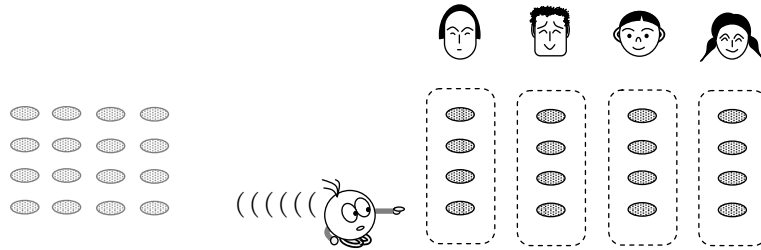
クッキーが8こ あります。4にんに わけると、  
Kukkii ga hakko arimasu Yonin ni wakeru to

ひとりぶんは 2こに なります。  
hitori bun wa niko ni narimasu



$$8 \div 4 = 2$$

クッキーが16こに なると、ひとりぶんは 4こに なります。  
Kukkii ga juurokko ni naruto hitoribun wa yonko ni narimasu



$$16 \div 4 = 4$$

8こだと、ひとりぶんは 2こ。  
Hakko da to hitori bun wa niko

2ばい  
Ni bai

16こだと、ひとりぶんは 4こ。  
Juurokko da to hitori bun wa yonko

?

しきをくらべてみましょう。  
Shiki o kurabete mimashoo

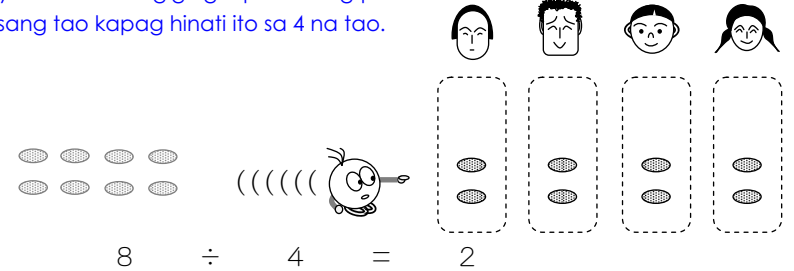
どう になりましたか。  
Dou narimashitaka

$$\begin{array}{c} 8 \div 4 = 2 \\ \downarrow \quad \downarrow \\ 16 \div 4 = 4 \end{array}$$

4

「割られる数」が2倍になると、答えも2倍になることを他の場面で確かめる。

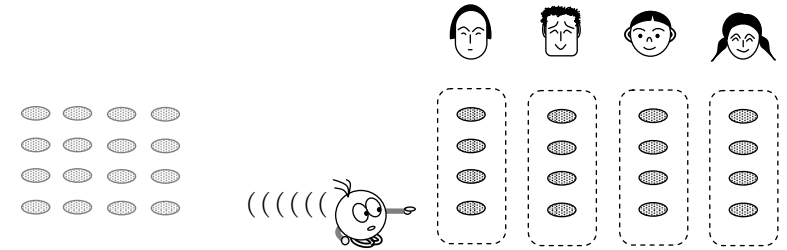
There are 8 cookies. When they are divided by 4 persons, 2 pieces are for one person.  
May 8 cookie. Magiging 2 piraso ang para sa isang tao.



$$8 \div 4 = 2$$

When the number of cookies becomes 16, 4 pieces are for one person.

Kapag ang bilang ng cookie ay naging 16, magiging 4 na piraso ang para sa isang tao.



$$16 \div 4 = 4$$

If there are 8 pieces, 2 pieces are for one person.  
Kapag may 8 piraso, 2 piraso ang para sa isang tao.

twice / doubles.  
doble.

If there are 16 pieces, 4 pieces are for one person.  
Kapag may 16 na piraso, 4 piraso ang para sa isang tao.

?

Compare the math formulas.  
Ikumpara ang mga math formula.

How did it change?  
Paano nagbago?

$$\begin{array}{c} 8 \div 4 = 2 \\ \downarrow \quad \downarrow \\ 16 \div 4 = 4 \end{array}$$