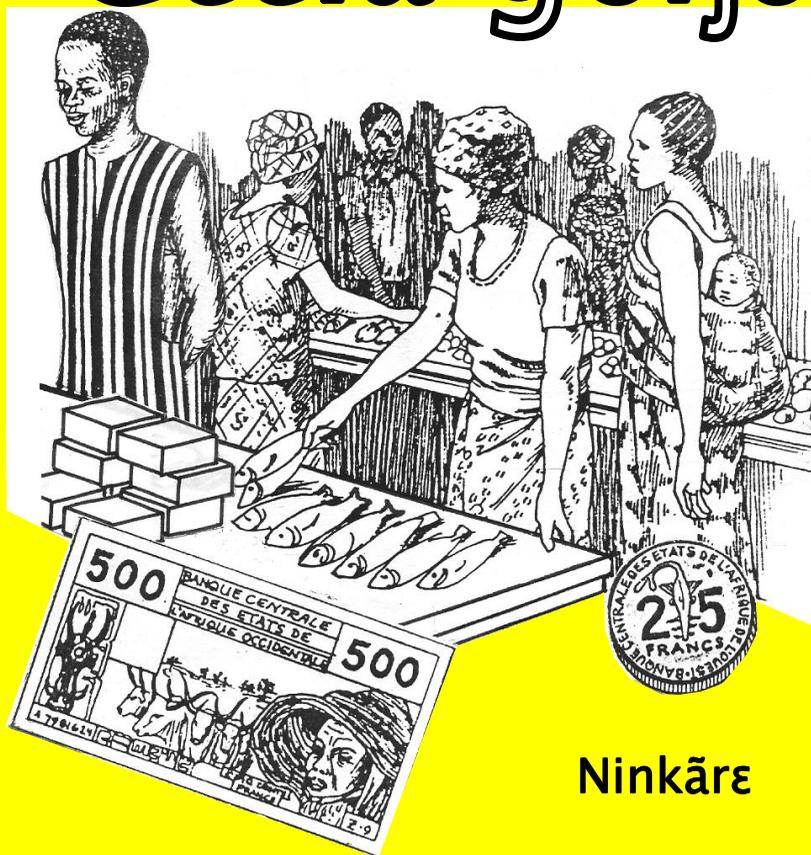


# Yvuma atã dõma gɛɛla gõŋɔ

(Livre de calcul,  
arithmétique et gestion)

## Gɛɛla gõŋɔ



Ninkãre

# Geela gõηɔ

(Livre de calcul, arithmétique et gestion)

Troisième édition  
Première impression  
Quatrième trimestre 2009

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01 B.P. 1784, Ouagadougou, Burkina Faso

## Localisation du ninkāre



NA0409

# Γεελα

$$\begin{array}{r} \underline{\text{pa'asg}\omega} \quad 1\ 468 \\ + \quad 2\ 577 \\ \hline = \quad \underline{\underline{4\ 045}} \end{array}$$

$$\begin{array}{r} \underline{\text{loore}} \quad 3\ 995 \\ - \quad 2\ 838 \\ \hline = \underline{\underline{1\ 157}} \end{array}$$

$$\begin{array}{r} \underline{\text{n}\ddot{o}\text{ore se'em}} \quad 1\ 951 \\ \times \quad 19 \\ \hline 19\ 510 \\ \underline{17\ 559} \\ = \underline{\underline{37\ 069}} \end{array}$$



$$\begin{array}{r|l} \underline{\text{pvre}} \quad 860 & 4 \\ \hline 6 & 215 \\ 20 & \underline{\underline{\quad}} \\ 0 & \end{array}$$

# Zāsŋɔ 1 dāana: Pa'asgɔ, la loore tēere

## 1. Pa'asgɔ tēere

Wakat-kāna ti ba uti pa'asgɔ?

Bāŋre pa'asgɔ tōone n tā wvn ēŋe la nōore yetɔga,  
bu gvlsɔ:

$$135 + 5 =$$

$$1\ 280 + 400 =$$

$$27 + 33 =$$

$$13\ 500 + 150 =$$

Ɔɔspɔsi tagse keke: Adam sellu la tuusi.

Semēne ēna pvam ēn sele se'em n wāna:

Atēne daare a sele la tuusi **71**,

Atalaata daare tuusi **63**, Alaariba la

Alamisi daare a ka sele sela,

Arzūma daare a sele

la tuusi **86**.



**Tuusi wāne ti a sele semēne ēŋa pvam?**

Tagse keke bayi dāana:

Awēnbōŋɔ zaam sēŋe la da'am

ka da lɔg-bāna wā:

Zē-bie wakire **50**,

mui wakire **150**,

nēnŋɔ **120**,

pa'ase la sɔɔɔɔ wakire **20**.



**Awēnbōŋɔ lɔgɔ la wuu ligri de la wāne?**

## 2. Loore tēere

Wakat-kāna ti ba uti loore?

Loore bāņre pa'asgɔ tōone n tā wvn ēņe la nōore yetɔga, bu gvlsɔ.

$$40 - 5 =$$

$$123 - 45 =$$

$$27 - 13 =$$

$$170 - 80 =$$

Ɔɔsɔsɔ tagse keke: A'albeeri tarɩ la wakɩre **280**, la a boori ti a da la walsɩ, ti walsɩ la ligri dena wakɩre **640**.  
**Wakɩre wāne n ɔɔ'ɔge A'albeeri?**



Tagse keke bayi dāana:

Wōrga woo Asalaam dɩkɩ la wakɩre **6000**. A ɔɔɩ a deego la wakɩre **1 200** wōrga woo, dee le tara sānne ɔɔɩra wōrga woo wakɩre **1 500**.

**A ligri la deege la wāne wōrga la pvam, ti a tara bɩsra a yire dōma?**



**Zāsɔɔ 2 dāana: Nōore se'em, la pvre tēere**

### 1. Nōore se'em tēere

Wakat-kāna ti ba uti nōore se'em?

Nōore se'em bāņre pa'asgō tōone n tā wvn ēņe la nōore yetōga, bu gvlsōgō:

$40 \times 5 =$

$80 \times 42 =$

$27 \times 3 =$

$132 \times 8 =$

Ɔōspōōōi tagse kēkē:

Si borgo ligri de la wakire 1 500.

Ti lēeba ayula bōōra ti a da si bōōra banii.

**Ligri wāne ti a wvn yese da si bōōra banii la?**



Tagse kēkē bayi dāana:

Arōņō taru la kōm-pugunto 6,

bōōra ti a da fu-paale bōō bia woo.

Ti fuugo ayula ligri

dēna wakire 250.

**Futo 6 la ligri de la wāne?**



## 2. Pvre tēere

Wakat-kāna ti ba uti pvre?

Pvre bāņre pa'asgō tōone n tā wvn ēņe la nōore yetōga, bu gvlsōgō:

$40 : 5 =$

$80 : 4 =$

$27 : 3 =$

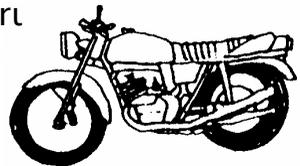
$132 : 6 =$

Ɔōspōōōi tagse kēkē: Nēra la a yūbga n taru

YAMAHA ayula. Ti a sā'am ti ba malge ē

wakire 2 560. La ba mase la taaba ti

nēra woo bōō malgre la ligri psvka.



**Wāne ti nēra woo wvn yɔ?**

Tagɛ kɛkɛ bayi dāana: Atabita koosɾi la ka-sōormō n boe konto pvam. A da la kaam konto **80** wakɾe **22 000**.

**Konko ayula ligri de la wāne?**



**Zāsnɔ 3 dāana: Ligri sōore**

**1. Lɔkɔ ayula ligri, la lɔgrɔ la wuu ligri**

A sore n doli se'em:

Tōma sān mina lɔkɔ ayula ligri, ti wvn ēnɛ la wāne geele lɔgrɔ la wuu ligri?

Ti dɩkɾi la lɔkɔ ayula la ligri kaalōn lɔgrɔ la sōore n de nōore se'em.

La ti sān mina lɔgrɔ la wuu ligri, ti tā wvn geele lɔkɔ ayula ligri mɛ bu?

Ti dɩkɾi la lɔgrɔ la wuu ligri pvɩ lɔgrɔ la sōore n de se'em.

Mamsɔ :

Dōnsɩ tum konto banaasɩ ligri de la wakɾe **4 872**.

Dōnsɩ tum konko ayula ligri de la wāne?

Lergre:

Lɔgrɔ la wuu ligri de la = wakɾe **4 872**,

lɔgrɔ la sōore de la = **4**

Ti sān bɔɔra ti ti bānɛ lɔkɔ ayula ligri,

dēni ti ti dɩkɛ lɔgrɔ la wuu ligri,

pvɩ la lɔgrɔ la sōore: w. **4 872 : 4 = w. 1 218**.



**Bāņre pa'asgɔ tōoma:** (exercices)



1. Ka-kɔɔdba sulle ayula n boori ti a da bōnsi kūa.

La kūure ayula woo ligri de la wakɩre 7 173.

Ti ba bɔɔra bōnsi kūa 10.

**Kūa la wuu ligri de la wāne?**

2. Lɛɛba n boori ti a da walsɩ 5

Wɔgdvɔɔ sɛņɛ tɛnsɩ n boe kɛnkɛrŋa

ka koose. Walsɩ ayula woo ligri de la

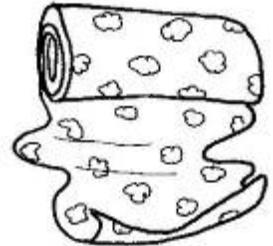
wakɩre 680. **Walsɩ 5 la ligri de la wāne?**



3. Amayimuna da la fu-korno 8

wakɩre 10 400.

**Fu-korŋo ayula ligri de la wāne?**



**2. Kāalɔɔ sɔa batā n doli taaba**

Mamsɔɔ:

Aburyama da la bɔɔra 6 wakɩre 300.

Awvsmāane boori ti a da la bɔɔra 9.

**Wāne ti Awvsmāane wvn yese da bɔɔra la?**

Lergre:

Lɔɔrɔ la ligri = wakɩre 300

Ti sān pvi wakɩre 300 la zē'esti a 6 = w 50.

Ti sān dɩkɛ 50 la kaalōn nōore a 9 = w 450.

Awvsmāane wvn ɔɔ la wakɩre 450.



Sore n doli se'em:

Ti mase ti ti dēņɛ dɩkɛ la lɔɔrɔ la wuu ligri pvi la lɔɔ-

sɛba ti Aburyamma da la sōore. Bɛla poorvm, ti dɩkɛ lɔkɔ

ayula ligri kaalōn la lɔɔ-sɛba ti Awvsmāane boori ti a da

la sōore.

**Bāņre pa'asgɔ tōoma** (exercices)

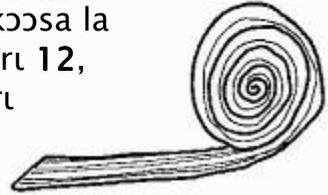
1. Gōn-vōorɔ n gvlsɛ la masini nēnsɩ ba 4 ligri de la w. 240. Gōn-vōorɔ 25 ligri de la wāne?



2. Zela 25 ligri de la wakurɛ 400. Zela 30 ligri de la wāne?



3. Alima boorɩ tɩ a da la tānne. Tɩ fu-kɔɔsa la yele ē yetɩ tānne woko sān paage mētrɩ 12, a ligri de la wakurɛ 840. La Alima boorɩ tɩ a da la tānne n de mētrɩ a 7. Mētrɩ a 7 la ligri de la wāne?



4. Naafɔ ayula sān dena wakurɛ 9 050, niigi ba 5 ligri n mase la naaf-ēŋa ligri de la wāne?



5. Asibi n wa yetɩ a di a pɔga la, a da la buvsɩ ba 6 wakurɛ 21 600. Bva woo ligri de la wāne?



**Zāsŋɔ 4 dāana: Ligri n lebge se'em**

Ligri n lebge se'em de la bēm?



Ligri n lebge se'em de la da'aga ligri, pa'ase la yɔɔɔ baseba.

Bilgre :

Wakate baseba, tɩ sān da lɔkɔ la de la pēgrɛ tɩ le yɔ ligri bōnɔ baseba īyā, tɩ tɩ yāŋa tā'age tara ē tōnna. Yɔɔɔ baseba la n pa'ase la da'aga ligri la, tɩ ba wi'iri tɩ ligri n

lebge se'em. Tū sãn bɔɔra tū tū geele sɛla n koose ligri, la ãn sɔŋa tū tū dɛŋe mina a ligri n lebge se'em, dee gɛɛla a koosgo ligri.

Mamsgɔ:

Ba koosru la kuto we-kɛka wakurɛ 5 000.

Tū nɛra da ɛ sɛŋe ka mãale wakurɛ 1 570.

**Ligri n lebge se'em de la wãne?**

Lergre:

Weefo la da'aga ligri de la = wakurɛ 5 000

Yɔɔɔ baseba la de la = wakurɛ 1 570

Ligri n lebge se'em de la da'aga ligri + yɔɔɔ baseba la:  
wakurɛ 5 000 + wakurɛ 1 570 = wakurɛ 6 570.



### **Bãŋre pa'asgo tɔoma** (exercices)

1. Apoli da la YAMAHA kɛka wakurɛ 25 000.

Bɛla poorvm a da la lɔgrɔ tū a mãale ɛ.

Kɔba **bayi**, ayɩla woo ligri de la wakurɛ 1 200.

Tupi **bayi**, ayɩla woo ligri de la wakurɛ 400.

Dee le da buzi wakurɛ 100.

**YAMAHA la ligri lebge la wãne?**



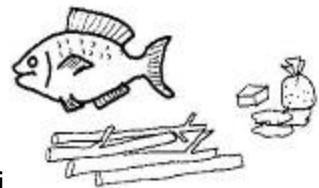
2. Aminata da la wakurɛ 240 zũma,

bɔɔra tū a dvge zɛero n ãn sɔŋa, sɛŋe

ka da dɔɔɔ wakurɛ 24, dee da zɛ-biisi

wakurɛ 40.

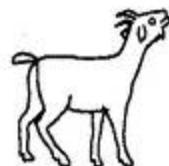
**Zɛero la tū a dvge la ligri lebge la wãne?**



3. Apɩyɛri da la bva, uge ɛ wɔrs-banaasi.

Wɔrga woo a bɔ'ɔru bva la wakurɛ 150 dia.

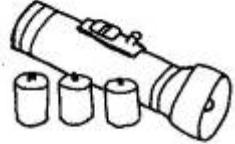
**Bva la ligri lebge la wãne?**



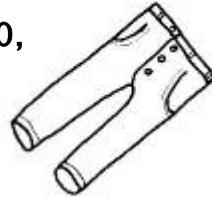
4. Amaari da la fu-korŋo pɛɛla wakɩɛ 250.  
Dɩke ẽ bɔ ti ba suke gāŋɛ ti a ɔɔ wakɩɛ 90.  
**Fu-korŋɔ la ligri lebge la wāne?**



5. Asamwɛɩ da la tɔklati wakɩɛ 100.  
Da kuga **batā** ẽŋe a pɔam ti a tā'age nēera.  
Kugre ayɩa woo ligri de la wakɩɛ 24.  
**Tɔklati la ligri lebge la wāne?**



6. Abɛɩ da la kurga n de kɛka wakɩɛ 110,  
ɔɔ wakɩɛ 30 ti ba kv'ugɛ kurga la nāma,  
dee teege sāarga.  
**Kurga la ligri lebge la wāne?**



## Zāsŋɔ 5 dāana: Koosgo ligri, la yōorɔ

Koosgo liri de la bēm?

**Koosgo ligri** de la fōn koose lɔkɔ yē lig-sɛba la.

Yōorɔ de la bēm?

Lɔkɔ koosgo ligri sān gānna a da'aga ligri,  
**yōorɔ** n boe mī.

Lɔkɔ da'aga ligri sān gānna a koosgo ligri,  
**lua** n boe mī.

Lɛɛba sān leebe yē ligri pa'asɛ, a yē la yōorɔ.  
La a sān ka paage ligri, a lu mɛ.

Sɛla ti ya masɛ ti ya bāŋɛ: Ban tɔgrɩ  
da'aga lig-sɛba zē'e-ēna wā, tā mɛ  
ɔna ligri la n lebge se'em.



## 1. Da'aga ligri, koosgo ligri, la yōorɔ

Mamsɔɔ :

M ma da la kɔma futo. Ayla woo wakɩɛ 250.

Lebe koose fuugo ayla woo wakɩɛ 350.

**Yōorɔ wāne ti a yē fuugo woo zuo?**



Lergre :

Fuugo woo ligri de la = wakɩɛ 250

Fuugo woo koosgo ligri de la = wakɩɛ 350

Yōorɔ de la koosgo ligri, ti fv yese da'aga ligri :

w. 350 – w. 250 = w. 100

## 2. Ligri n lebge se'em, koosgo ligri, la yōorɔ

Mamsɔɔ :

Apoli da la mōtɛɛri wakɩɛ 30 000, malɛ ẽ wakɩɛ 2 500.

Dɩkɛ ẽ lebe koose wakɩɛ **34 000**. A yē yōorɔ la wāne?

Lergre :

Mōtɛɛri la da'aga ligri de la: Wakɩɛ 30 000

Malɛ ligri de la wakɩɛ 2 500

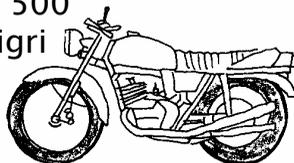
Ligri n lebge se'em de la

wakɩɛ 30 000 + w. 2 500 = w. 32 500

Yōorɔ de la koosgo ligri, ti fv yese ligri

n lebge se'em:

W. 34 000 – w. 32 500 = w. 1 500



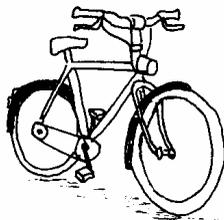
## Bānrɛ pa'asɔɔ tōoma: (exercices)

1. Awēnnɛ da la kut-weefo paale

Wɔgdvɔɔ wakɩɛ 9 650. Tari ẽ sēɛ

ka koose Yelwɔɔɔɔ wakɩɛ 10 700.

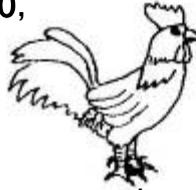
**A yōorɔ de la wāne?**



2. Abĩntu da'arı la futo Bɔlga sēna koosra Wɔgdvɔɔ. A da'arı fuugo woo la wakıre 500, lebe kɔɔsra fuugo woo wakıre 750. **A yōorɔ de la wāne fuugo woo zuo?**



3. Ba da la nōrɔɔɔ wakıre 90, lebe koose ē wakıre 220. **Kɔɔsa la yē yōorɔ la wāne?**



4. Yuvne ba'asɔɔ wōrga la pvam, Asakya da la si bɔra 6. Borgo woo wakıre 1 200. Dıke si la bĩje paage bvrɔga wōrga la pvam, dıke ba lebe koose borgo woo wakıre 1 950.

- Si borgo woo yōorɔ de la wāne?  
- A yōorɔ la wuu de la wāne?

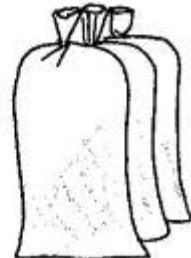


5. Lēeba aylā n da yugyugi kursi 15 aylā woo wakıre 50. Dıke ba bɔ tı ba malge kurga woo tēese wakıre 20. Tı a dıke ba lebe koose kurga woo w. 120.

- A yōorɔ de la wāne kurga woo zuo?  
- A yōorɔ la wuu de la wāne?



6. Lēeba n sēnje tēn-pıka pvam ka da si bɔra 3, borgo woo wakıre 1 000, ɔɔ borgo woo wakıre 40 tı ba dıke sēnje tēn-kāte pvam. **A wvn koose borgo woo la wāne, a sān bɔɔra tı a yōorɔ la wuu dena wakıre 900?**



## Zāsḡ 6 dāana: Lua

Ti wvn ēḡe la wāne bāḡe ti ti yē yōorɔ, bu ti lu mē ?

Ti sān bōora ti ti bāḡe ti yōorɔ la ligri sōore, ti yesu la da'aga la ligri bu ligri n lebge se'em na koosgo la ligri pvam, ti sela n deege la, ēḡa n de yōorɔ. Ti sān bōora ti ti bāḡe ti tōma lu mē, la de la tōma n wvn yē ti da'aga la ligri, bu ligri n lebge se'em na gānnu koosgo ligri.

Bela ti sān bōora ti ti bāḡe lua la ligri sōore, dēnu ti ti dūke da'aga la ligri, bu ligri n lebge se'em na yese koosgo la ligri.

Bela wakate woo la mase mē ti ti dūke lig-sēba n gānnu la yese lig-sēba n pɔ'ɔge la.

Mamsgɔ :

Lēeba n da kantu zela **24**, ayula woo wakire **60**. Sore la sēnnu pvam zela ba **6** n wōre. Ti a lebe koose zelle ayula woo wakire **75**. A yē yōorɔ mē bu a lu mē?



Lergre :

Zela 24 la da'aga ligri de la:  $24 \times w. 60 = w. 1\ 440$

Zela 24 la pvam ba 6 n wōre.

Sēba ti a tā wvn koose de la :  $24 - 6 = 18$

Zela la koosgo ligri de la:  $18 \times w. 75 = w. 1\ 350$

A yē la yōorɔ bu a lui mē?

Ti yēti mē ti a da'aga la ligri gānnu a koosgo la ligri mē, bela a lui mē. Ti sān dūke da'aga ligri la yese koosgo ligri la:

Wakire 1 440 - wakire 1 350 = wakire 90.

**Lēeba la lui la wakire 90.**

**Bāņre pa'asgɔ tōoma** (*exercices*)

1. Asāmweli da la tagra **24** wakire **5 000**.  
Lebe koose tagte ayila woo wakire **75**.  
**A yē yōorɔ mē bu?**



2. Lēeba n da sagdini konto **500**. A da konto  
**100** woo la wakire **800**. La a lebe koose konko  
ayila woo la wakire **11**.  
**A yē yōorɔ mē bu a lu mē ?**



3. Alima da la zela **65**, zelle woo wakire **4**. Lebe kōɔsra  
zelle woo wakire **5**. La zela la ēn wa lem ba'asgɔ la, a yē  
ti zela **22** n ka ān sōņa tāna wvn koose.  
**A yē yōorɔ mē bu a lu mē ?**



4. Lɔg-kōɔsa n da biki dōma **50**, ti ayila woo ligri  
dēna wakire **8**. Dike ba lebe koose ayila woo  
wakire **10**. La ēn wa koose ba lem ba'asgɔ la,  
a yē ti bikidōma **12** n saage ti a ka tāna wvn  
koose ba.  
**Bēla a yē yōorɔ mē bu a lu mē ?**



5. A'elize da la busa **85**, ayila woo wakire **60**.  
Yɔ wakire **600** ti ba vaage ka bɔ ē. Ti a lebe  
koose ayila woo wakire **75**. La busa **15** n  
pō'oge ti a ka tā'age koose ba.  
**A yē yōorɔ mē bu a lu mē ?**



# Zāsŋɔ 7 dāana: Tōoma ɣɔɔɔ, ligri ɣesga, la lig-bīŋre

## 1. Tōoma ɣɔɔɔ, la ligri n yesɔ, la lig-bīŋre de la bēm?

Tōoma ɣɔɔɔ de la ligri ti ba dɪkɪ lɛɛɪ pɔvɔm, daare pɔvɔm, semēne pɔvɔm, bu wōrga pɔvɔm. Ti sān bɔɔɔa ti ti da kē sānne pɔvɔm, dēni ti ti mina tōma n yēti sela la wuu sōore, ti tōma n yesɔ ligri la se'em sōore da gāŋe ti ɣɔɔɔ la.

Ti sān ɣesra ligri gānna ti ɣɔɔɔ la, ti kē'eri la sāma. Lig-sɛba ti tōma yesɔ la sān ka gānna ti ɣɔɔɔ la, ti tā wɔn deege sela bīŋe mɛ. Bāma ti ba wi'iri ti «lig-bīŋre».

## 2. Tōoma ɣɔɔɔ, la ligri n yese

Mamsɔ:

Tōntōnna ayɪla n dɪkɪ wakɪɛ **8 300** wōrga woo.

La daare woo a yesɔ la wakɪɛ **240** a ɣire nērba bɪsga īyā. Dɪkɛ-ya lig-sɛba n yesɔ wōrga la pɔvɔm make la a ɣɔɔɔ la. Yāma yē ti la ān na wāne?



Iergre :

Wōrga la ligri de la: Wakɪɛ 8 300

Ligri n yesɔ wōrga pɔvɔm de la:

Wakɪɛ 240 x dabsa 30 = 7 200.

Ti yēti mɛ ti tōoma la ɣɔɔɔ gānnu ligri n yese la mɛ. Bɛla pa'alɪ mɛ ti tōntōnna la ka di sāma, a tā wɔn lagse ligri bīŋe mɛ.



### 3. Lig-bīņre

Mamsgo :

Azozefv gu'uri la yire ti ba yōra ē. Ti wōrga woo a lōra wakrē 1 000 bīņra, se'ere n soe la, a boori ti a da la kut-weefo ligri n de w. 13 000.

**Wōrsi wānni pvam ti a wvn tā'age da weefo la?**



Lergre :

En bīņre wōrga woo wakrē 1 000 la, ti wvn dūke la kut-weefo la ligri wuu pvi la wōrga woo ligri, bela ti wvn bāņe wōrsi la sōore = 13 000 : 1 000 = 13.

Azozefv mase ti a gu la wōrsi 13 dee yāņa tā'age da a weefo la.



#### **Bāņe pa'asgo tōoma** (exercices)

1. Tvntōnna n tōnni dabsa 5 semēne pvam, ti a daare ayula tōone yōrō dena wakrē 200. Geele-ya bāņe ēn yēti ligri se'em semēne pvam, la ēn yēti se'em wōrga pvam.



2. Karēnsāam-pōka n dīkrī wakrē 8 400 wōrga pvam. Ti ligri n yesri daare woo dena wakrē 160.



Geele-ya bise ēn bīņri se'em wōrga woo.

3. Wōrga ayula pvam Apoli so yese la wakrē 2 500 yō a deego dāana, yese wakrē 3 000 bō zēerō ligri, yese 2 000 da si la dia baseba ti ba dvgra, dee le yese wakrē 1 200 da tum.



Geele-ya bāņe ligri la wuu n de se'em n yese wōrga la pvam, la daare woo ligri n yesri n de se'em?

4. Ba dıke la nēra tōoma ƷƷra ē wakıre **25** karfa ayıla, tı a tōnna karfa **8** daare woo.  
– Bela, a yēta la ligri wāne daare pvam?  
– La a sān tōnna dabsa 25 wōrga pvam, a yēti la wāne wōrga?



5. Amiseli tōnnı yēta la wakıre **250** daare woo, la a ka tōonu

Lasre daare. Daare woo a ligri n yesrı de la wakıre **160**.

- Semēne pvam a tā wvn bīñe la wāne?
- La semēne ba 2 lig–bīñre de la wāne?

6. Apolu tōnnı la lɔa malgre zē'am yēta wakıre **260** daare woo. La a sān tvım Lasre daare, bu vo'osgo daare, ba ƷƷrı ē na daare ayıla ƷƷrı la **nōore bvyi**. Yvıne ayıla pvam a tvım na dabsa **250** tōoma daare, dee tvım dabsa **30** lasre la vɔ'osgo daare n nāage taaba. Ligri wāne tı Apolu yē yvıne la pvam?



## Zāsıđ 8 dāana: Ligri bīñre gōñđ

1. Lig–bīñre de la bēm?

Nēra woo tā wvn yē ligri bīñre gōñđ me nērba la wuu ligri bīñre zē'am, bu ligri deem ayēma. Bilam tı tā wvn bīñe ligri me wakate sɛka tı tı booru, la tı ken tāna wvn to'oge ligri me tōma n booru wakat–sɛka. Bēm n soe tı tı bīñra ligri, ligri deem?

La de la lan wvn ēñe se'em sōñe nērba, tı ba tā'age bīñe ligri. Ligri sān gā yire a dia de la nāana nāana. La ligri sān bɔna ligri bīñre deem, la de la nāana tı fv base ē tı a gā.

Ligri bīņre gōņķ mamsgo n wāna:

Ɔwɛ la Yv'vɛ: Sia Akurgo

Tēņa yv'vɛ: Dūn-ugrība sulle n boe Yelwōwņ



No	Date Daare	Libellé ligri n bīņe bu ligri tū ba to'oge	Somme déposée ligri n bīņe	Somme retirée ligri tū ba to'oge	Solde ligri n deege	Signature nu'ugo dī'a
1.	Yvvn 2010 yvvn paale wōr. dabsa 10	ligri n bīņe	wakurɛ 1 000		wakurɛ 1 000	lig-tō'wɛra
2.	Yvvn 2010 yvvn-paale wōr. dabsa 31	ligri n bīņe	wakurɛ 1 500		wakurɛ 2 500	lig-tō'wɛra
3.	Yvvn 2010 gōn-fuko wōr. dabsa 27	ligri n bīņe	wakurɛ 800		wakurɛ 3 300	lig-tō'wɛra
4.	Yvvn 2010 wōlbīō wōrga dabsa 30	ligri n bīņe	wakurɛ 800		wakurɛ 4 100	lig-tō'wɛra
5.	Yvvn 2010 vaala wōrga dabsa 10	ligri tū ba to'oge		wakurɛ 300	wakurɛ 3 800	Akurgo
6.	Yvvn 2010 burga wōrga dabsa 31	ligri n bīņe	wakurɛ 800		wakurɛ 4600	lig-tō'wɛra
7.	Yvvn 2010 dōorō wōrga dabsa 29	ligri n bīņe	wakurɛ 800		wakurɛ 5400	lig-tō'wɛra
8.	Yvvn 2010 naara wōrga dabsa 20	ligri n to'oge		wakurɛ 1 300	wakurɛ 4 100	Akurgo
9.	Yvvn 2010 sa-lika wōr. dabsa 30	ligri n bīņe	wakurɛ 800		wakurɛ 4 900	lig-tō'wɛra

No	Date Daare	Libellé ligri n bīŋe bu ligri ti ba to'oge	Somme déposée ligri n bīŋe	Somme retirée ligri ti ba to'oge	Solde ligri n deege	Signature nu'ugo dī'a
10.	yvvn 2010 sa'ama wōrga dabsa 15	ligri n to'oge		waktre 1 600	waktre 3 300	Akurgo
11.	yvvn 2010 si se'a wōrga dabsa 30	ligri n bīŋe	waktre 800		waktre 4 100	lig-tɔ'ɔra

Zāsvm ya ligri bīŋre gōŋɔ karēŋre, dee lerge sokrisi bāna wā.

1. Dabvɛ ti Akurgo pɔsɛ a ligri la bīŋre?
2. Ligri wāne ti a bīŋe yvvn 2010 gōn-fuko wōrga dabsa 27 la?
3. Yvvn 2010 vaala wōrga dabsa 30 la n bīŋe se'em na wuu de la wāne?
4. Ligri wāne ti a to'oge yvvn 2010 naara wōrga dabsa 20 la?
5. Āne n dī'iri nu'ugo gōŋɔ la pvam?

### Bāŋre pa'asgɔ tōoma (exercices)

1. Wōrga woo Adam bīŋri la waktre **240** ligri deem. Yvvnɛ ayɩa pvam, a ligri la ti a bīŋe la wvn dɛna la wāne?
2. Asalaam gu'ura la yire ti ba yɔ'ɔra ē. Wōrga woo a basri la waktre **1 200** la yire la dāana ti a bīŋra. Yvvnɛ pvam lig-sɛba ti a bīŋri la tā wvn da weefo mɛ bu?



3. Kabore Zeremi de la lɛɛba, bɪŋra a ligri nɛrba ligri bɪŋre zɛ'am na. Lan pɔsɛ la yvvn 2010 bvrɔa wɔrga dabsa 15, a sɛnni bɪŋra la w 5 600 wɔrga woo dabsa 15 halɪ ka paage yvvn 2010 yvvnɛ ba'asɔɔ wɔrga dabsa 15. La ligri tɪ a to'ose ba pvam n wāna: Yvvn 2010 naara wɔrga dabsa 3, a to'oge la w 3 900, yvvn 2010 sa'ama wɔrga dabsa 10, a to'oge la w 2 890, yvvn 2010 yvvnɛ ba'asɔɔ wɔrga dabsɛ 1, a to'oge la w 5 000. Gvlɛ-ya a ligri bɪŋre gɔŋɔ.



No	Date Daare	Libellé ligri n bɪŋre bu ligri tɪ ba to'oge	Somme déposée ligri n bɪŋre	Somme retirée ligri tɪ ba to'oge	Solde ligri n deege	Signature nu'ugo dɪ'a
1.	Yvvn 2010 bvrɔa wɔrga dabsa 15	ligri n bɪŋre	wakure 5 600		wakure 5 600	lig-tɔ'bra
2.	Yvvn 2010 dɔɔrɔ wɔrga dabsa 15	ligri n bɪŋre	wakure		wakure	lig-tɔ'bra
3.	Yvvn 2010 naara wɔrga dabsa 3	ligri n to'oge		wakure	wakure	Zeremi
4.	Yvvn 2010 naara wɔrga dabsa 15	ligri n bɪŋre	wakure		wakure	lig-tɔ'bra
5.	Yvvn 2010 sa-lika wɔrga dabsa 15	ligri	wakure tɪ ba		wakure	lig-tɔ'bra
6.	Yvvn 2010 sa'ama wɔrga dabsa 10	bɪŋre ligri n to'oge		wakure	wakure	Zeremi

<i>No</i>	<i>Date</i> Daare	<i>Libellé</i> ligri n bīŋe bu ligri tu ba to'oge	<i>Somme déposée</i> ligri n bīŋe	<i>Somme retirée</i> ligri tu ba to'oge	<i>Solde</i> ligri n deege	<i>Signature</i> nu'ugo dī'a
7.	Yvvn 2010 sa'ama wōrga dabsa 15	ligri n bīŋe	wakure		wakure	lig-tɔ'bra
8.	Yvvn 2010 fɔɔɔ wōrga dabsa 15	ligri n bīŋe	wakure		wakure	lig-tɔ'bra
9.	Yvvn 2010 si se'a wōrga dabsa 15	ligri n bīŋe	wakure		wakure	lig-tɔ'bra
10.	Yvvn 2010 yvvn ba'asɔɔ dabsa 1	ligri n to'oge		wakure	wakure	Zeremi
11	Yvvn 2010 yvvn ba'asɔɔ dabsa 15	ligri n bīŋe	wakure		wakure	lig-tɔ'bra

4. Yvuma ayi pvam, A'albɛɛɾu bīŋe la w 500 wōrga woo.

La wakate ayila a sēŋe ka to'oge la w 2 400 da tum bɔ a pɔga.

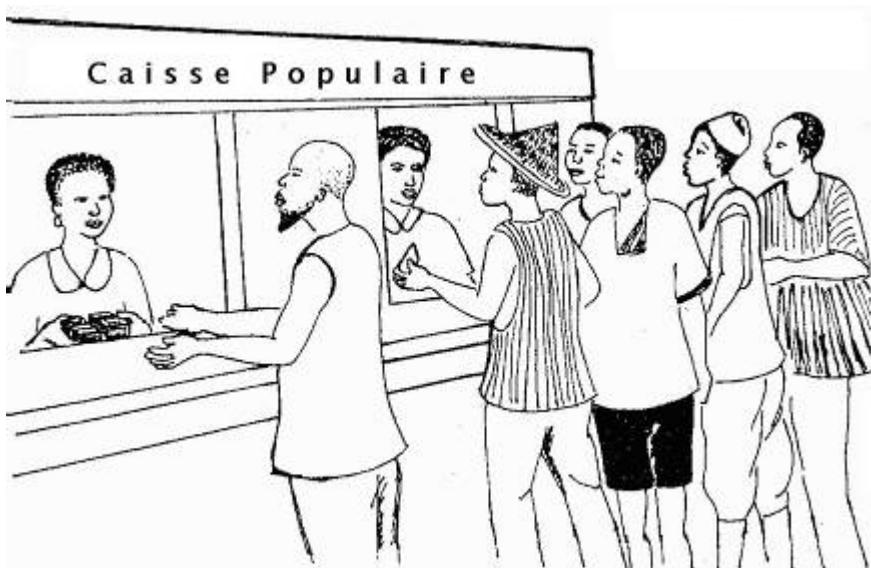
Yvuma ayi la pvam, ligri wāne n deege a ligri bīŋre la zē'am?



## Zāsŋɔ 9 dāana: Lig-peŋre

### 1. Lig-peŋre de la bēm?

Lig-peŋre de la ligri tɪ fɪ peŋe nēra zē'am, bu ligri deem, tɪ fɪ wa leɓse. Ligri peŋre wakate, seka n peŋri, la seka n dɪke ligri la peŋra la, masɪ la taaba ligri la n wɪn leɓse se'em se'em. Nōore zozo'e lig-peŋra la lebe ɣɔra la fēfē wōrga woo, halɪ tɪ la wa ba'ase.



Mamsgɔ :

Yɪvɪn 2010 gōn-fuko wōrga dabsa 5 Sia Abubakaaru peŋe la

w 6 000 nēɓa wuu ligri deem. Pɔspɔsɪ wōrsɪ banaasɪ la, a wɪn

ɣɔ la w 700 wōrga woo. Wōr-seba n deege la, a wɪn ɣɔ la w 800 wōrga woo. Keke-ya Sia Abubakaaru ligri la bɔ ē :

Dabsa	Ligri n deege n lebse	Ligri n peje, bu	Ligri n peje	Ligri n lebse
Yvvn 2010 gōn-fuko wōr. dabsa 5	ligri n peje	w 6000		w 6 000
Yvvn 2010 gōn-fuko wōr. dabsa 28	ligri n lebse		w 700	w 5 300
Yvvn 2010 wɔlbīō wōrga dabsa 31	ligri n lebse		w 700	w 4 600
Yvvn 2010 vaala wōrga dabsa 30	ligri n lebse		w 700	w 3 900
Yvvn 2010 bvrge wōrga dabsa 31	ligri n lebse		w 700	w 3 200
Yvvn 2010 dōorɔ wōrga dabsa 30	ligri n lebse		w 800	w 2 400
Yvvn 2010 naara wōrga dabsa 30	ligri n lebse		w 800	w 1 600
Yvvn 2010 sa-lika wōr. dabsa 30	ligri n lebse		w 800	w 800
Yvvn 2010 sa'ama wōr. dabsa 29	ligri n lebse		w 800	w 0

### Lerge-ya sokrisi bāna wā

1. Ligri wāne ti Abubakaari lebse yvvn 2010 vaala wōrga dabsa 30 daare?
2. Wōrsi wāne poorvm ti Abubakaari yɔ a sānne na ba'ase?
3. Dōorɔ wōrga dabsa 10 la, ligri wāne n deege ti a wvn yɔ?
4. Abubakaari tǎ'age doose ban pa'alē ē ti a yɔɔra se'em wōrga woo la mē bu?

**Bāņre pa'asgō tōoma (exercices)**

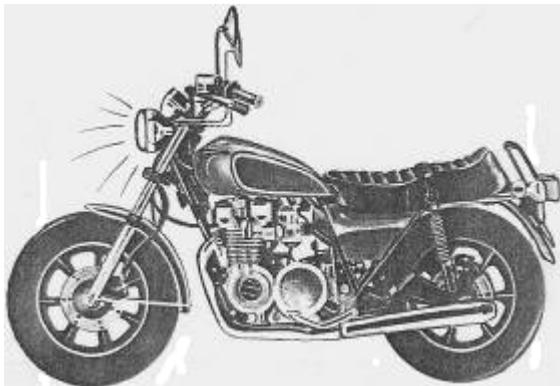
1. Yvvnε 2010 wālbīō wōrga dabsa 20, A'idrisa peje la w 9 000 ligri deem. A boort tī a yōkra la w 600 wōrga woo. La dōorō wōrga, la naara wōrga, la fōōōō wōrga a yō w 300 wōrga woo, la wōr-seba n deege la a yō la w 600 wv ba yele ē se'em na.

**Geele-ya a ligri la.**

Dabsa	Ligri n peje, bu n lebse	Ligri n peje	Ligri n lebse	Ligri n deege
Yvvn 2010 wālbīō wōrga dabsa 20	ligri n peje	w 9000		w9 000
Yvvn 2010 vaala wōrga dabsa 30	ligri n lebse		w	w
Yvvn 2010 bvr̄ga wōrga dabsa 31	ligri n lebse		w	w
Yvvn 2010 dōorō wōrga dabsa 30	ligri n lebse		w	w
Yvvn 2010 naara wōrga dabsa 31	ligri n lebse		w	w
Yvvn 2010 sa-lika wōrga dabsa 31	ligri n lebse		w	w
Yvvn 2010 sa'ama wōrga dabsa 30	ligri n lebse		w	w
Yvvn 2010 fōōōō wōrga dabsa 31	ligri n lebse	w	w w	w
Yvvn 2010 si se'a wōrga dabsa 30	.....	.....	.....	.....



2. Awēnyem to'oge la sǎnne **w 87 600** a tōoma nējadāana zē'am ti a da mōtseri. Ti tōoma nējadāana la yele ē yeti a wvn yɔ ligri la wuu la yvne aylā pvam. Awēnyem sǎn bɔɔra ti a yɔɔra wōrga wōrga, ligri wāne ti a wvn yɔɔra wōrga woo?



3. Adenisi boori ti a da la zē'a. To'oge sǎnne **w 10 000**. Ti pɔɔspɔɔsi wōrsi bayoobi la pvam ti a yɔ **w 600**, **w 1 300**, **w 800**, **w 700**, **w 500**, **w 1 200**. En yɔ bɛla wuu la, wāne n deege ti a wvn yɔ?



# Zāšņo 10 dāana: Bōn-sēba tu ba taru makra woglōm

Bōn-sēba tu ba taru makra woglōm de la sāntimētru, mētru, la kilomētru.

Ba gvlsru ba se'em n wāna:

Milimētru: mm

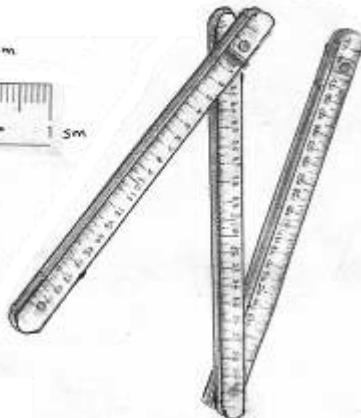
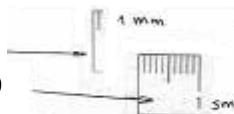
Sāntimētru: sm (*cm*)

Mētru: m

Kilomētru: km

Mētru 1 de la sāntimētru 100,

kilomētru 1 de la mētru 1 000.



- Bōn-sēba woglōm n ka zo'oge la, ba taru la sāntimētru makra.
- Bōn-sēba woglōm n zo'oge fēe la, ba taru la mētru makra ba.
- La sān dena woglōm sēka n boe tēn-kāra, la tēn-piḡsu tēḡasvka la, ba taru la kilomētru makra ba.

Mamsḡo :

Fu-pe'era taru la **sāntimētru** makra a futo.



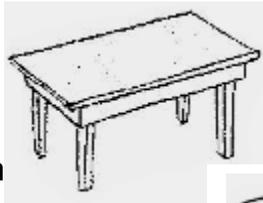
Deto bayi s̄an z̄aage taaba,  
 ba tarı la m̄etri makra.  
 Tı ka t̄a wvn yetı deego  
 n z̄aage la aȳema de la  
 s̄antim̄etri 900, bu  
 s̄antim̄etri 1 400.  
 D̄eni tı tı yetı a de la  
 m̄etri a 9, bu m̄etri 14.



**B̄aņre pa'asgı t̄oma tı kar̄ēbiisi naarı taaba ita se'em  
 kar̄ēdeego pvam.**

Dıke-ya kar̄ēns̄āama d̄oogı tı a tarı makra la, (bu  
 fu-pe'era n tarı sela makra la), make b̄ōn-b̄āna.

- Teebule ȳoļıķ, la a ko'ogo



- Takolle ȳoļıķ, la a wogl̄ōm



- Fuugo ȳoļıķ, la a wogl̄ōm (la baseba)

Tı s̄an b̄oora tı tı make b̄ōnı bayi n z̄aage taaba se'em,  
 tı wvn ēņe la w̄āne? Tı s̄an b̄oora tı make deto bayi n  
 z̄aage taaba se'em, bu va'am wogl̄ōm b̄aņe ēn z̄ōn se'em,  
 tı itı la w̄āne?

Lergre :

Ti dēņe bāņe ti nā-yagne n zōn se'em, yāņa sēnna dee kāala ti nā-yakma la sōore.

Bōn-kēka nā-yakne mase wv sm 80.



Mamsgo :

Deto bayi n zāage la taaba woglōm sān dēna nā-yakma 10, ti nā-yakne ayila woo dēna sm 80, la boori ti la yeti a woglōm de la:  $10 \times \text{sm } 80 = \text{sm } 800 = \text{m } 8$

### Bāņre pa'asgo tōoma (exercices)

1. Fu-pe'era n wāage tānne woglōm n de **m 65** ti a pe fu-wogro. Bōra ti a dīke tāt-gule n de **m 6** pe fuugo ayila woo. Fu-wogro wāne ti a tā wvn pe?



2. A'anni tarī la tānne woglōm n de **m 2**, la fu-sēka ti a boori ti a pe la de la **m 6 la pvsvka**. Mētri wāne ti a wvn da pa'ase?

3. Lva n boe yire pvam ti a ko'ogo dēna **m 9**.

Ti a ko'om na woglōm dēna **m 3**.

Mī'a n wvn tara āgra ko'om na woglōm wvn paage la wāne?



4. Awēnpōka woglōm de la **m 1,74**.

A tā Arōņc woglōm de la **m 1,60**.

Sāntimētri wāne n boe bāma bayi tēņasvka?



5. Lēeba n tarī tāt-gilgo, ti a woglōm dēna **m 27**.

Ti a koose **m 8** bō Abagna, dee koose **m 6** bō Ayōona.

Mētri wāne n deege? Akāmpīige yire la karēndeego la zāare de la **m 700**.

Ti a sēnna mī nōore bvyi daare woo, bulika, la zaanōore.

- Mētri wāne ti a sēnni daare woo sēnna karēņre?

- Mētri wāne ti a sēnni semēne ayila pvam.



# Zāsṅ 11 dāana: Kilomētri dōma

## 1. Sēṅre yetṅa

Ti pōn yē ti kilomētri de la sela ti ba tarī makra woglōm, dee yeti ba tarī ē magra la tēnsi zāare la taaba woglōm. Bela, ti ka tā wvn yeti tēnsi bayi zāare la taaba de la m 2 000, bu m 8 000.

Ti wvn yeti la de la km 2, bu km 8.

## 2. Burkīna Faso tēnsi n zāage la taaba se'em

De-bāna n boe tilum wā pvam pa'alē la Burkīna Faso tēnsi baseba n zāage la taaba se'em. Lagim-ya taaba zāsvm a karēṅre.

Mamsṅ:

Yāma boori ti ya bāṅe la Wṅgdvṅṅ la Bobo n zāage la taaba se'em, dēṅe ε-ya Wṅgdvṅṅ, biṣe-ya de-sēka n boe ḡbḡga la. Wṅgdvṅṅ zvṅṅ boba ya yēti la kāalgṅ biē n ḡvlṣe.

Foole ēṅa pvam pa'alī la Bobo zāare: Kilomētri 356.



	Bobo	Kaya	Kvdv- gɔ	Wɔg- dvɔ	Po	Wayu- gya	Yel- wɔɔɔ
Bobo	0	454	276	356	500	371	551
Kaya	454	0	196	98	242	200	293
Kvdvɔ	276	196	0	98	242	165	293
Wɔgdvɔ	356	98	98	0	144	181	195
Po	500	242	242	144	0	325	51
Wayugya	371	200	165	181	325	0	376
Yelwɔɔɔ	551	293	293	195	51	376	0

**De-ēna pvam ε ya:**

Kaya la Wɔgdvɔ zāare n de se'em :  
 Po la Wɔgdvɔ zāare n de se'em :  
 Yelwɔɔɔ la Bobo zāare n de se'em :  
 Kvdvɔ la Wɔgdvɔ zāare n de se'em :  
 Yāma sān dɩke Wɔgdvɔ la Kaya, la Wɔgdvɔ la Kvdvɔ  
 zāare make taaba, yāma yēti la bēm?



**Bāṅre pa'asgɔ tōoma (exercices)**

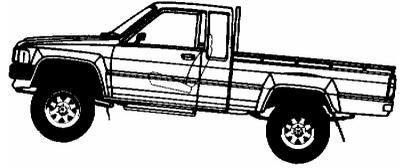
1. Asakāne yire la kvlga de la km 2.  
 Yire la dāana pɔga sān sēna kvlga  
 nōore ayɩla daare woo, kilomētri wāne  
 ti a sēnni semēne woo?

2. Yelwɔɔɔ la Bɔlga de la km 30.  
 Semēne woo Abɔ'ɔɔ ze'eti Yelwɔɔɔ  
 sēna mī na nōore bvyi.  
 Kilomētri wāne ti sēnni semēne woo?  
 la wōrga woo?

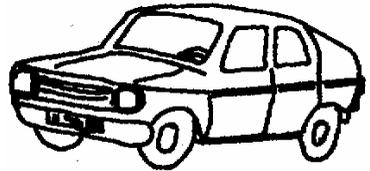


3. A'emanuwɛli tukri la loore. A ze'eti la Bānfoora sēna Bobo nōore **atā** daare woo dee lēbra. Bānfoora la Bobo zāare de la **km 85**.

Kilomētri wāne ti a sēnni daare ayila pvam?



4. Abɛgnaari boori ti a ze'ele la Fada sēja Orodara. Fada la Wɔgdvɔɔ sān dēna **km 225**, ti Wɔgdvɔɔ la Bobo dēna **km 356**, ti Bobo la Orodara dēna **km 76**. Kilomētri wāne ti a wvn sējɛ?



5. Aseeni tēja nōorvm ba gvlse ti **km 35**. A zēba tēja boe la bilam nējam **km 47** zē'a. Kilomētri wāne n boe tēn-bāma bayi tējasvka?



6. Asāmwɛli sān ze'ele yire wɛ'ɛsa a zē'erc ɔrgɔ zē'a a sēnni la **km 8**. Ti a sējɛ ka paage **m 3 500** zē'a ze'ele vo'ose. Mētri wāne n deege ti a wvn sējɛ?



# Zāsņo 12 dāana: Tībsiņo makre

## 1. Bōn-sēba tī ba tari makra tībsiņo

La de la gram,  
la kilogram dōma  
tī ba tari makra  
bōn-yooro tībsiņo.  
**Kilogram 1 de la  
gram dōma 1 000.**

Ban kv'vri ba gvlsra se'em  
n wāna:

**Gram: g**

**Kilogram: kg**

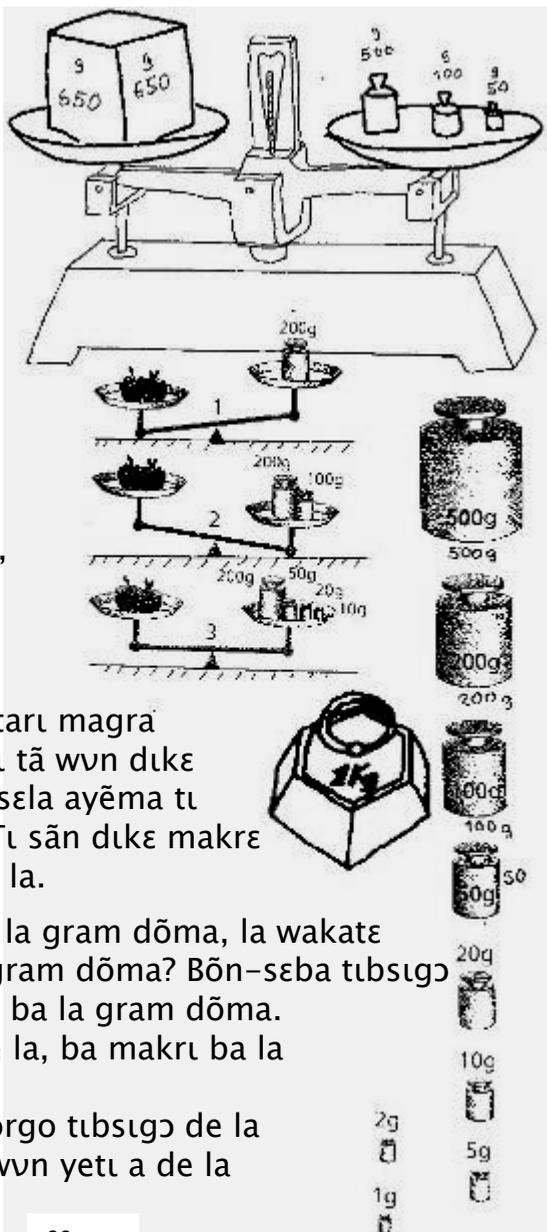
## 2. Sokrisī la lergre

\* Bēm tībsiņo tī ba makru,  
la bēm īyā? La de wv  
nēnno, mui, kōm-piņsi,  
la baseba.

\* Tī sān ka tara sela tī ba tari magra  
tībsiņo, tī utī la wāne? Tī tā wvn dīke  
sela tībsiņo me make la sela ayēma tī  
tī dēņe mīna a tībsiņo. Tī sān dīke makre  
wv sikri paki n de kilo 1 la.

\* Wakate kāna tī ba makru la gram dōma,  
la wakate kāna tī ba makru la kilogram dōma?  
Bōn-sēba tībsiņo n ka zo'oge la, ba makru ba la gram dōma.  
Bōn-sēba n tībge zo'oge la, ba makru ba la  
kilogram dōma.

Tī ka tā wvn yetī mui borgo tībsiņo de la  
gram dōma 25 000. Tī wvn yetī a de la  
kilogram dōma 25.



### 3. Bõn-sɛba tɪ nɛrba tarɪ makra tɪbsɪɔ

Nɛrba ɛn tara la laaga, la koŋo magra si. Dɪkɛ-ya mamsgɔ

ya mɛŋa:

Koŋo de la laaga wāne?

Koŋo wāne n de borgo?

ɛŋɛ-ya bāŋrɛ pa'asgɔ tōoma bayi bu batā ya mɛŋa.



#### Bāŋrɛ pa'asgɔ tōoma (exercices)

1. Adaniyelɪ da la mui borgo n de **kg 30**.

Daarɛ woo a tōbgrɪ la **g 750** nɛrba dia ãyā.

Mui borgo la wvn ɛŋɛ la dabsa wāne?



2. Amaarɪ n daan dɔɔɛ la tɪ a bia la tarɪ

la **g 2450**. Tɪ Semɛne woo a yɛta **g 100**

pa'asra. Semɛne 10 poorvm bā'aga n

yōkɛ ɛ, tɪ a **g 500** bo'oge.

Bā'aga la poorvm a tarɪ la kilo wāne?



3. Si **laaga ayoobi** de la koŋo,

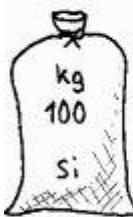
tɪ **koŋo 6** dɛna **kg 100**.

Bɛla, ba sān dɪkɛ si **kg 100**

bɔra 5 ka'age laastɪ pvam

- a wvn dɛna la laastɪ wāne?

- la laaga woo dɪkrɪ la gram wāne?



4. Nɛnnɔ **kilo 1** de la wakɪrɛ **240**.

Tɪ A'adam bɔra kilo pvsɪka.

Kilo pvsɪka la ligri de la wāne?



5. Lɔg-kɔɔsa n dɪkɛ sikri pakɪ dōma ita takata

pvam. A dɪkɛ la pakɪ **50** n de **kilo ayula** pakɪ

woo, la **pakɪ 50** n de **gram 500** pakɪ woo.

Sikri la wuu de la kilo wāne?



6. Nēn-kōosa n koose nēnko **kg 12** bulika.  
 Kilo woo zuo a yē la **wakire 40** yōoro.  
 A yōoro la wuu de la wāne?



**Zāsḡ 13 dāana: Bōn-kōnko'a makre**

**1. Sēḡre yetoga**

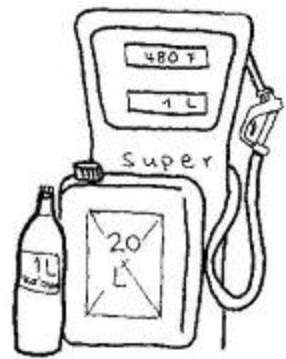
Ti sān bōora ti ti make sela n de ko'om, sela n taru makra de la **litru**.  
 Ti sān bōora ti ti make kaam, karēzīm, bu ko'om bāḡe ban zōn se'em, ti dikru la **litru**.

Bōn-sēba ti ba taru makra bōn-kōnko'a la, baseba n boe āna piḡsi ka paage litru, ti ba tara ba magra tum n yūura, suro, tum n lvti, bu sela n mase la ḡlaa.

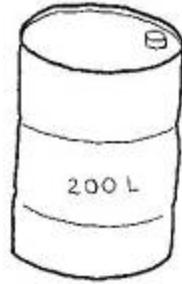


Bōn-sēba n taru magra bōn-kōnko'a la, baseba n mē boe ḡanna litru, ti ba tara ba magra karēzīm n zo'oge, bu baraasi ko'om, bu ko'om deego ko'om.

La lēlē wā ti wvn tōge la «litru» la mā'a yelle. Ban kv'vru «litru» ḡvlsra se'em n wāna «l» Bōn-sēba ti ba taru bōn-sēba n de ko'om ita mī de la: Pirētva, luglugi, bōḡte, ānkōra, pa'ase la pupu, bu loore



patro urgo zē'a. La de la lɔg-bāma mā'a tɪ ba tarɪ magra bāŋra ban zo'oge zōna se'em.



**Bāŋre pa'asgo tōoma** (exercices)

1. Daare woo Asara sēnnɪ na kvlga āgra ko'om lɪtrɪ 20.

- Semēne pvam a āgrɪ la ko'om lɪtrɪ wāne?
- Wōrga pvam a āgrɪ la lɪtrɪ wāne?
- Yvvnɛ pvam a āgrɪ la lɪtrɪ wāne?



2. Dūn-ugra n sūnnɪ a niigi daare woo ulvm lɪtrɪ 25. Semēne sɛka n tole la, a koose la: Lɪtrɪ 18, lɪtrɪ 15, lɪtrɪ 12. Lulvm lɪtrɪ wāne tɪ a yē, la ulvm lɪtrɪ wāne tɪ a koose? Lɪtrɪ wāne tɪ a deege?



3. Ko'om deego pvam, ko'om lɪtrɪ 325 n boe mī. Tɪ pɔspɔsɪ semēne ba ākɛ ko'om lɪtrɪ 175 a pvam. Semēne bayi dāana la, ba ākɛ la lɪtrɪ 87. Lɪtrɪ wāne n deege semēne batā dāana la pvam?

4. Apolɪ tarɪ la kaam lɪtrɪ 56 ānkɔra pvam, ɛ luglugi dōma n tā wvn sūm lɪtrɪ 4 sūm kaam na. Luglugi dōma wāne tɪ a sūm?

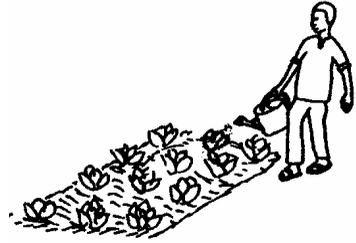


5. Tigre n boe, tɪ ba ēŋɛ zom-ko'om nērba 80 īyā. Nērba banaasɪ sān yūura lɪtrɪ 1, zom-ko'om lɪtrɪ wāne tɪ ba ēŋɛ?



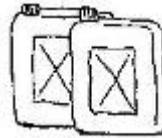
6. Daare woo Atta sãn basra a zēerɔ ko'om, a āgrɪ ko'om pɪta sɛla tɪ a tarɪ basra la, la nōore 10. Sɛla tɪ a tarɪ basra la, ko'om litrɪ 9 n pɪtɪ ē.

- Ko'om litrɪ wāne tɪ a ākrɪ semēne pvam?
- La wōrsɪ batā pvam?



7. Wōr-sɛka n tole la, patro koosgo zē'am na tarɪ la patro litrɪ 2 450. Tɪ ba dēŋɛ koose litrɪ 25 bɔ lɔa 62. Le wa koose bɔ lɔa 18, loore woo litrɪ 35.

- Patro litrɪ wāne tɪ ba koose?
- Litrɪ wāne n deege patro koosgo zē'am na?



## Zāsŋɔ 14 dāana: Wakatɛ

### 1. Sēŋrɛ yetɔga

Wakatɛ geelgo lebge la nērba zozo'e malɔɔ. Ba boorɪ tɪ ba bāŋɛ la da'aga daare, la tigre daare. Ba ka boorɪ tɪ tigsgo sãnbɔna ba yōse a daare.



### 2. Bōn-pɪgsɪ sɛba tɪ ba tarɪ magra wakatɛ

Bōn-pɪgsɪ sɛba tɪ ba tarɪ magra wakatɛ la, ba tarɪ la wakɪ gɛela ba. Ba de la: Segōn-dōma, miniti dōma, lɛerɪ dōma, la dabsa.

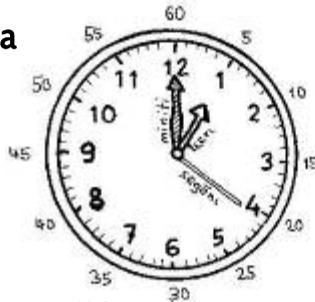
Tōma dēņe yē lan tole me, ti bōnō baseba ti ba taru magra la, ba geeli ba la «1 000»:  
 Kilogram 1 de la gram 1 000,  
 kilomētru 1 de la mētru 1 000.

La sān dena wakate geelgo ēņa de la to'ore:

**Segōni 60 de la miniti ayula**

**Miniti 60 de la lēru ayula**

**Lēru 24 de la daare ayula**



**Makre biē-kāra de la:**  
 dabsa, semēndōma, wōrsu, yvuma.

Yvume de la wōrsu 12, bu semēndōma 52,  
 bu dabsa 365;

Wōrga de la dabsa 30, 31,  
 bu semēne 4 la dabsa fēe

Semēne de la dabsa 7

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

**Bāņre pa'asgo tōoma (exercices)**

1. **Miniti dōma wāne** n boe  
**daare ayula** pvam?

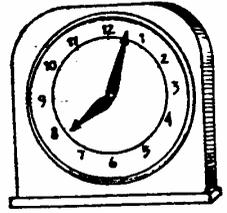
2. Amiwēnnē ze'ele yire la lēra **6** wakate  
 sēņe da'am, leme kulum yire lēru **1** wakate.  
 Lēru wāne ti a ēņe?



3. Kōma boe karēndeem na bulika lēra **8** ka  
 paage lēru **12**, la zaanōore lēra **3** ka paage  
 lēra **5**.

Daare ayula ba uti la lēru wāne karēndeem?  
 Semēne ba uti la lēru wāne?

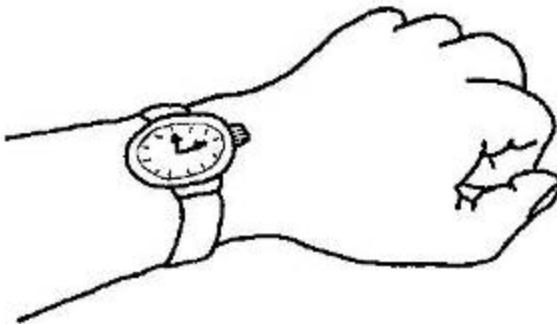
4. A'alfōosi mase ti a bōna tōoma zē'am na bulika lēera **8** wakate. La lan dēje ēn wvn paage tōoma zē'am, a sēnnu na miniti **10** ka dikra loore, ti loore la zoe miniti **25**, ti a le sigē sēje miniti **5**.  
Lēeri kāna ti a wvn yese yire?



4. Gōn-fuko wōrga pvam Amarseline n taru puvre de la wōrstu bayi. Wōr-kāna pvam ti wvn dōge?



5. Alu sēje ka soolum na a ma. En we'estu la a dūke la miniti **25** sēje, ka ēje miniti **20** mī.  
Lēbga la, a sēje la miniti **30**.  
- E-ya a sēnnu na n de miniti dōma se'em?  
- La lēeri dōma se'em?



# Υει–σεβα τι ya wvη yē gõn–ēna wã pvam n wãna : (Table des matières)

gõn–võorɔ  
(pages)

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