

Gracket

W202005-2

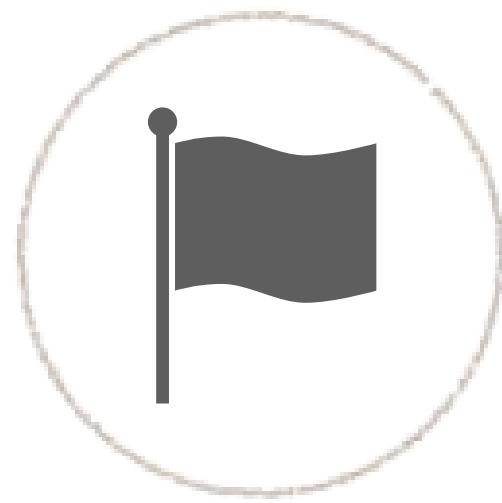
**Ikeda senior high school attached to
Osaka Kyoiku university**

"Gracket" is a granola bar using cricket powder. It has possibility to change the world through solving some social problems.

Why don't you know about SDGs through "Gracket" ??



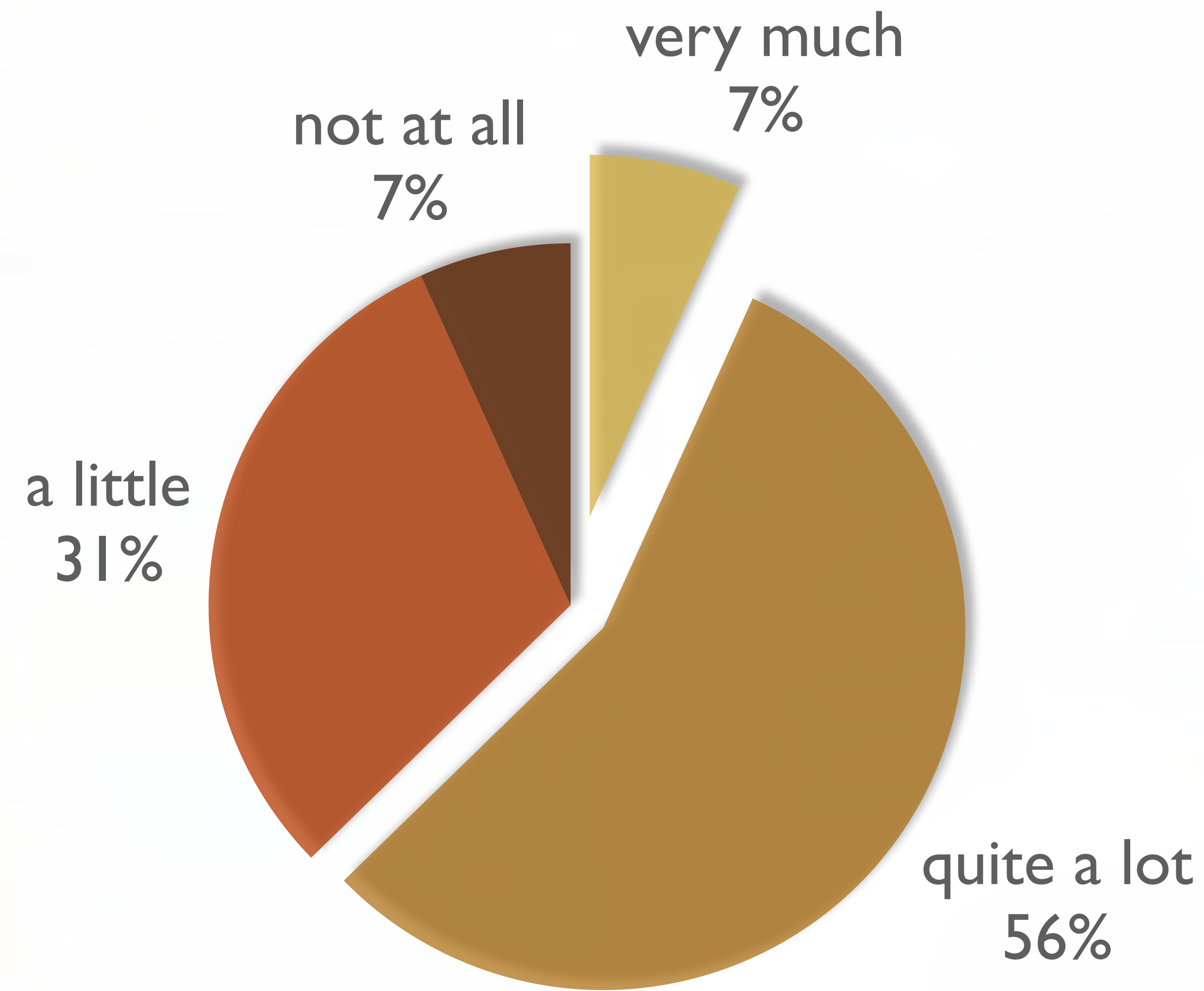
Crickets



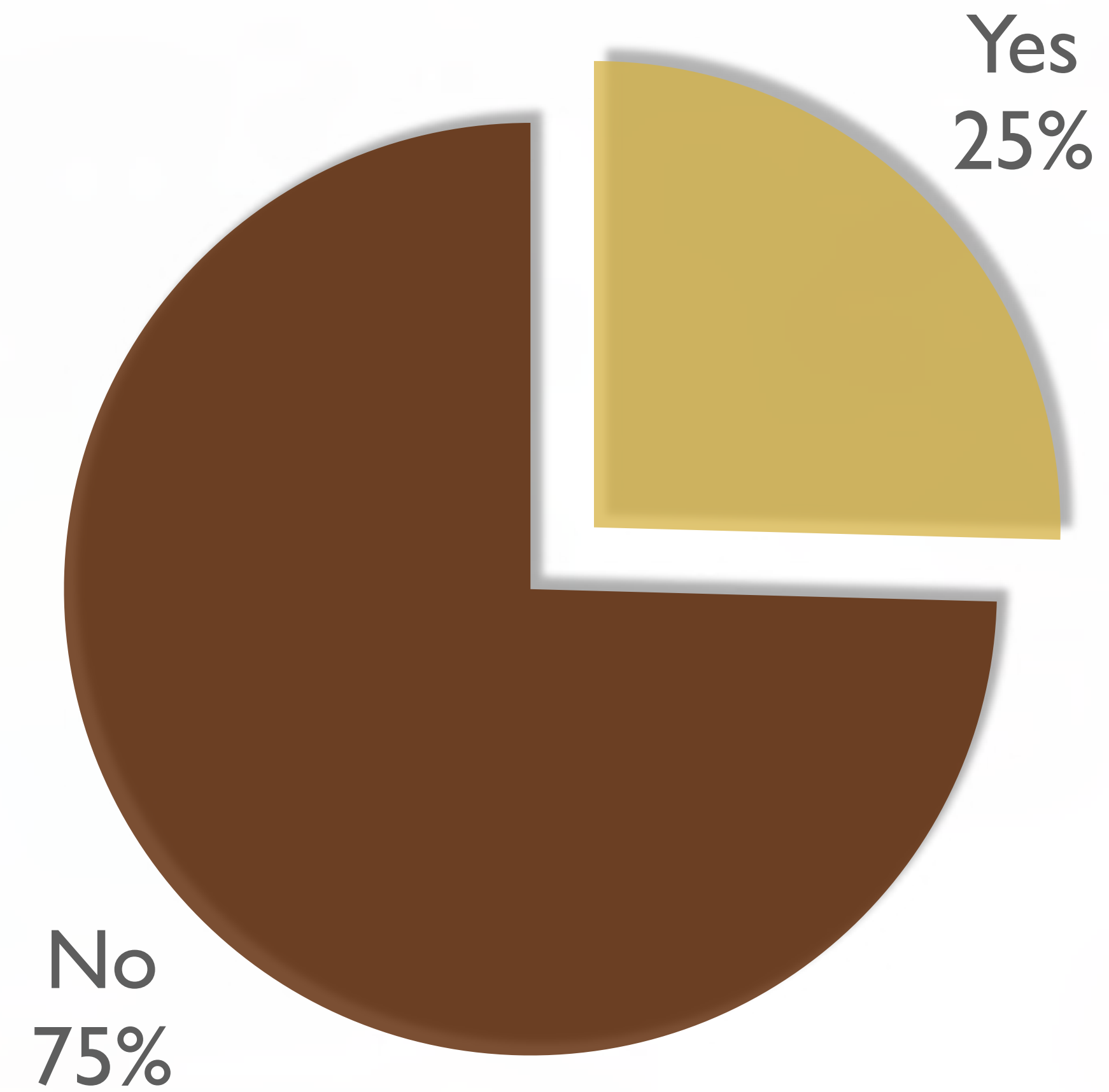
increase the awareness on social issues

for high school students

How interested in social problem?



Do you think you can solve the social problem your own power?





Usefulness of eating Crickets



Food Shortage

**Essential
Amino
Acids**

**Essential
Fatty
Acids**

Fiber

Minerals



Food Shortage



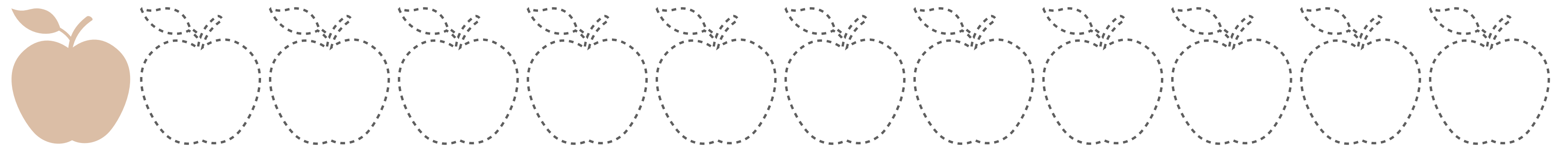
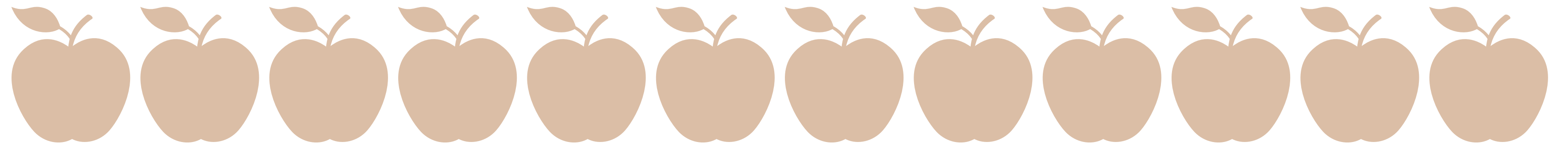
4.3 times



(Per 100g)



Food Shortage





Food Shortage

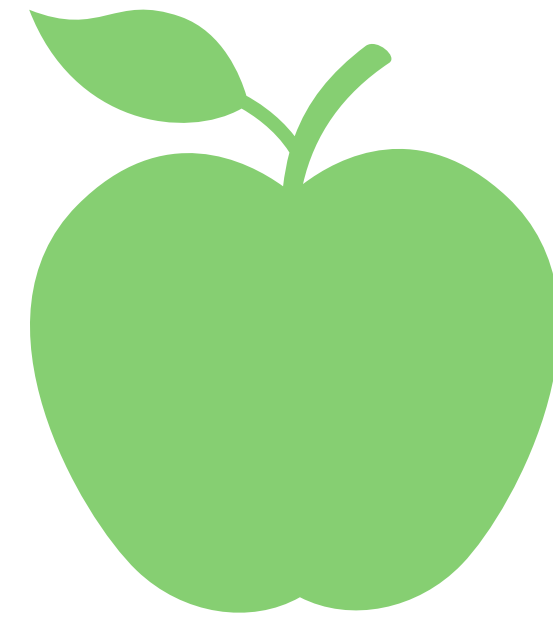


↓ Feed Cost

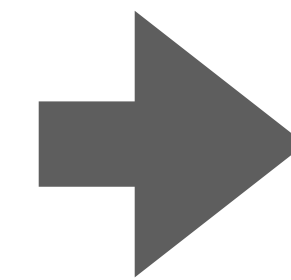


↓ Land Area

But...

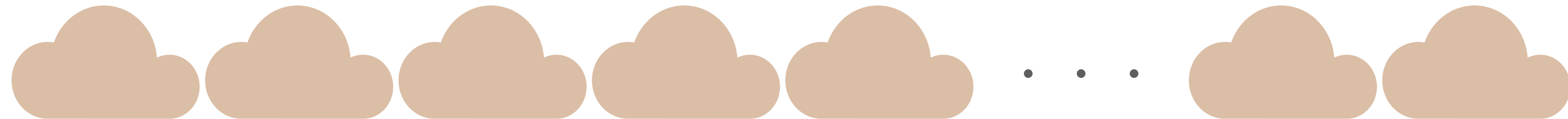


↑ Nutritional Value





Environmental Problem





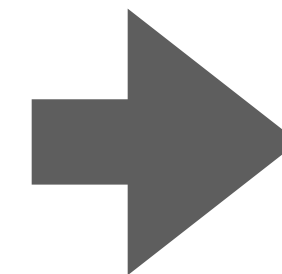
Environmental Problem



Transportation

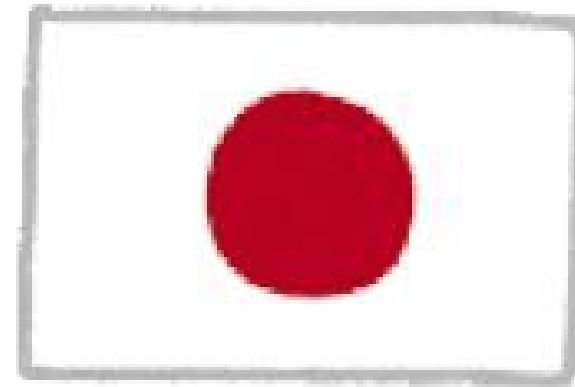


Digestion

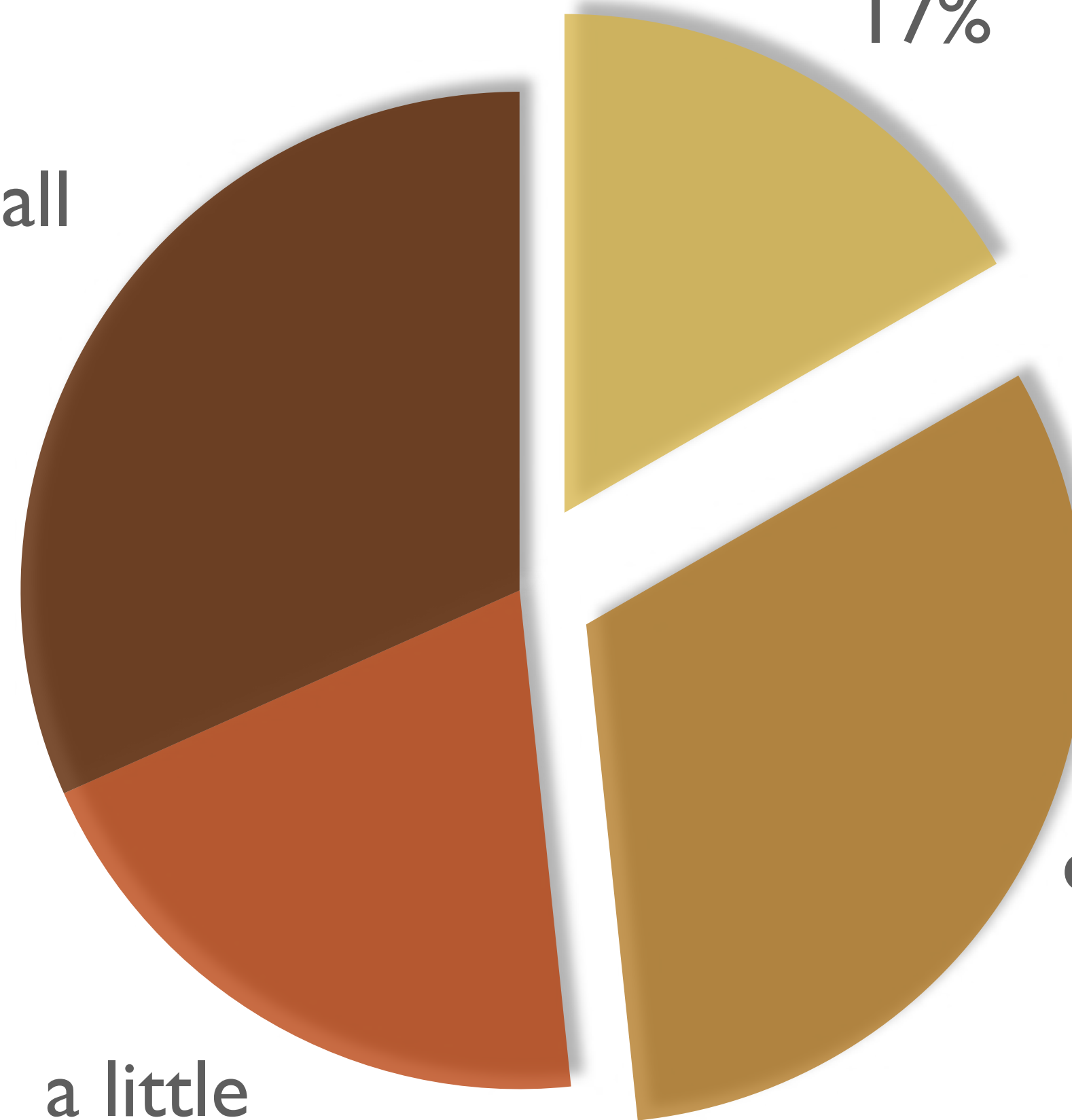


↓ Greenhouse gases emissions

Do you want to try “Insect foods” ??



not at all
32%

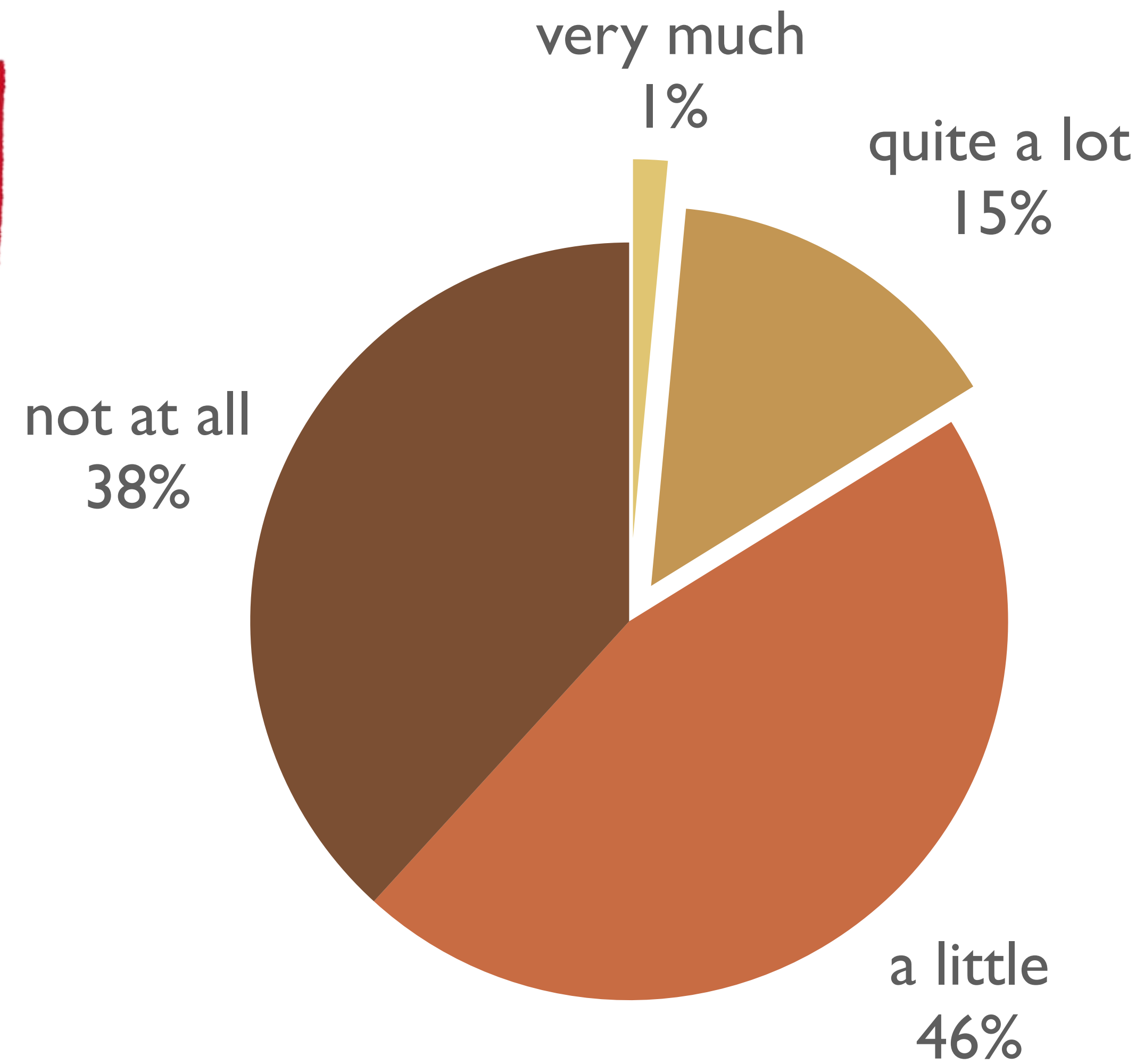


very
much
17%

a little
20%

quite a lot
32%

Do you want to try “Insect foods” ??



Why do you hesitate to eat crickets??



Appearance, shape

Our research

1. Make a plan and prototype



2. Make a pamphlet along the concept



3. Receive advice from company making granola



4. Finished products !

1. Make a plan and prototype



2. Make pamphlet along the concept



3. Receive advice from company making granola



4. Finished products !

1. Make a...

otype



4. Finished pro



a

1. Make a plan and prototype



2. Make a pamphlet along the concept



3. Receive advice from company making granola



4. Finished products !

クオロギパウダーって？

クオロギは世界中に多く存在する昆虫食がベトナムやインドでスーパーフードです。料理に一味違う旨味と高い栄養価を与えることができます。近年話題になっています。

含まれる栄養素

クオロギパウダーは、豊富な栄養素を含んでいます。クオロギパウダーに含まれるクオロギは、同量の牛肉の約1.5倍に上ります。



摂りすぎると体に悪い栄養素

他に...

抗酸化作用や抗炎症作用

→ アンチエイジング効果や糖尿病予防に！

こんな方におすすめ！

- 筋トレやダイエットをしている方
- 健康志向の方
- スーパーフードに興味がある方
- ベジタリアン



1. Make a plan and prototype



2. Make a pamphlet along the concept



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4. Finished products !

1. M

2. M

3. R

4. Fi



ola

1. Make a plan and prototype



2. Make a pamphlet along the concept



3. Receive advice from company making granola



4. Finished products !

1. Ma

strings tuned to six different pitches. is "E," then on down in order, the D, G, B and E. The sound of a guitar is six strings and the pitches change length of the strings. The neck of the o 24 frets. The player presses the different frets to get different pitches. re made for right-handed people.

past few years has been

choose between priestess or death it's Theseus' wed

Je vous remercie

2. Ma

guitars are right-handed. The neck is made for right-handed people. The strings are tuned to six different pitches. The sound of a guitar is six strings and the pitches change length of the strings. The neck of the o 24 frets. The player presses the different frets to get different pitches. re made for right-handed people.

Midsummer Night Dream begins in place. Theseus is preparing his marriage beautiful Hippolyta. Egeus, one of court, complains to Theseus s refusal to marry Demetrius th chosen. Hermia is in love with twists in the play is that De e with Helena, Hermia's friend ena to marry Hermia. However must marry Demetrius, or choos gin priestess or death by the Theseus' wedd Opera is a pla dialogue sung to paniment of a orchestra.

3. Re



nola

4. Fir

ed in
ame
s: Most



01

Nutrition

	Gracket	Other Granola Bar
Energy	283 kcal	118 kcal
Protein	8.5 g	2.4 g
Fat	9.0 g	12.8 g

02

Sustainability



↓ Amount of garbage



We can use **80%** of their body



Preserve for a long time

Sales strategy of “Gracket”



Targets

Students (10's)



Medium

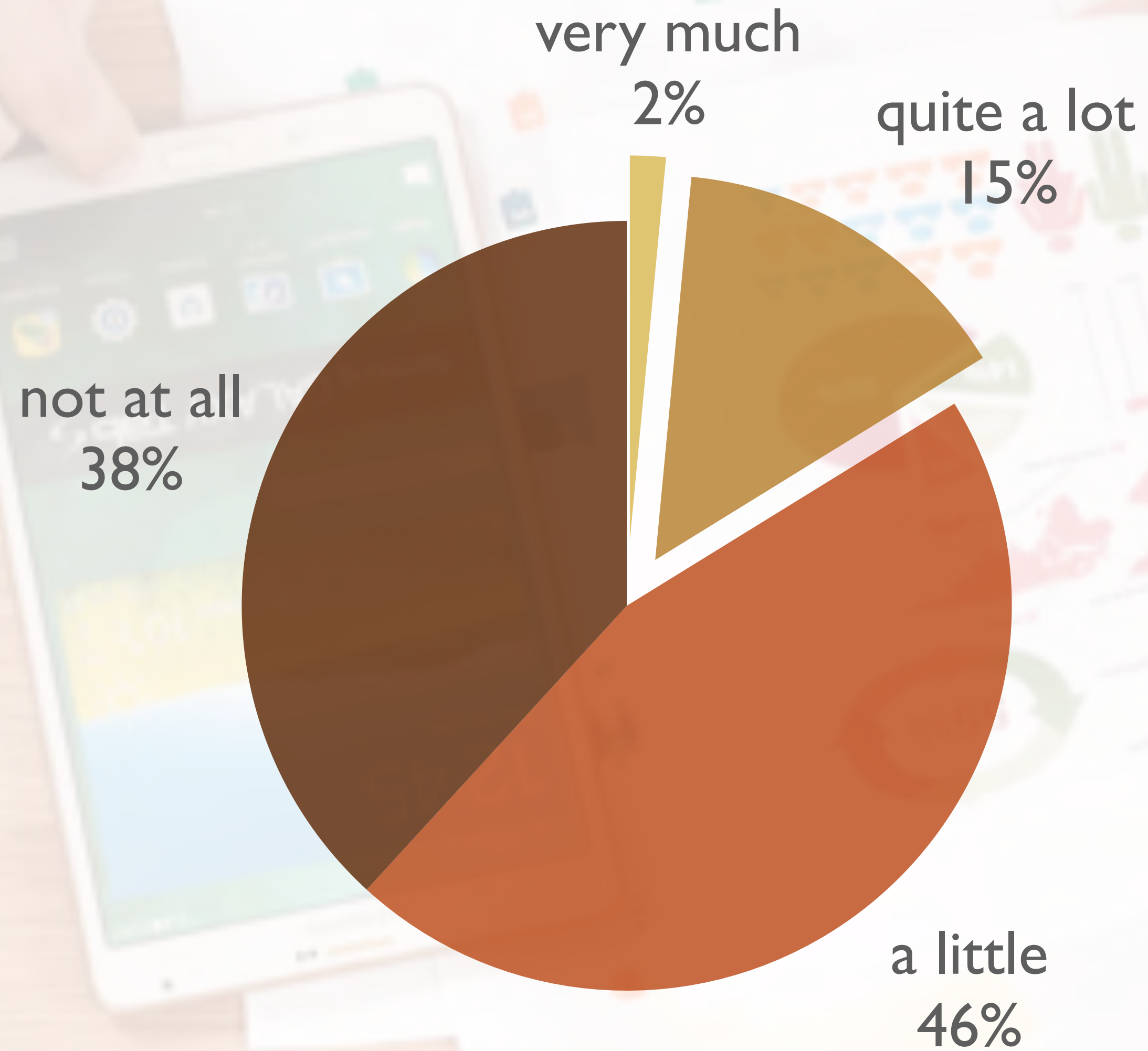
Online



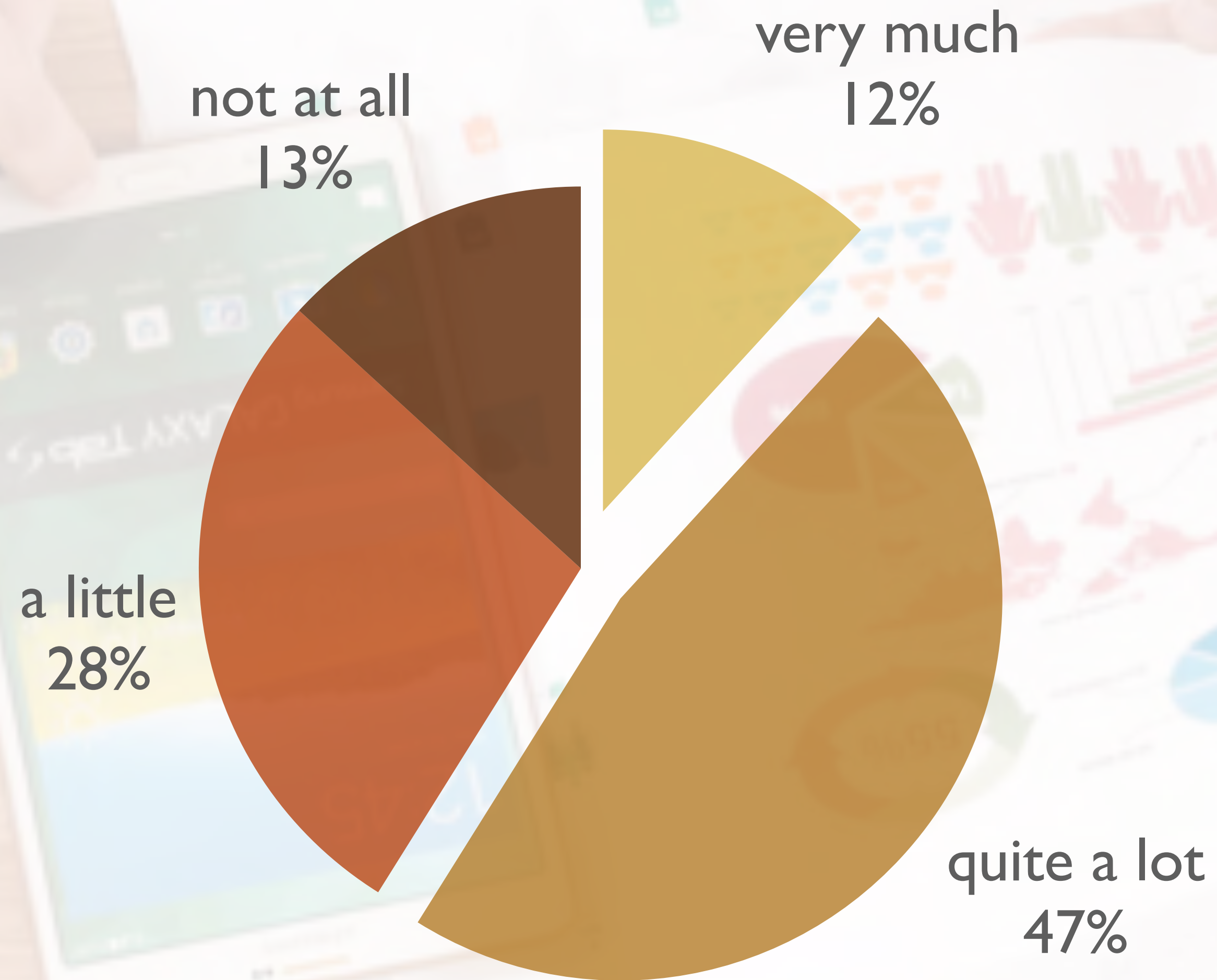
Promotion

SNS, Pamphlet

Do you want to try “cricket powder” ??



Do you want to try “cricket powder” ??



G, B and E. The sound of a guitar is six strings and the pitches change length of the strings. The neck of the o 24 frets. The player presses the different frets to get different pitches.

Je vous remerci



re made for right-handed people. Guitars are right-handed. The neck has 24 frets. The player presses the different frets to get different pitches.

Midsummer Night Dream begins in Athens. Theseus is preparing his marriage with Hippolyta. Demetrius, one of Theseus's courtiers, is in love with Helena. Helena's refusal to marry Demetrius is chosen. Hermia is in love with Lysander. Twists in the play is that Demetrius is the one who falls in love with Helena, Hermia's friend. Helena must marry Demetrius or choose death by the sword.

Gracket

Thank you for listening!

Why don't you try "Gracket" and learn the issue of SDGs more deeply??

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ame
Thebesus' wedd
Opera is a pla
dialogue sung to
paniment of ant

