



INSTRUCTIONS

Five time-limited problems to solve

PUNCTIATION

Each correct answer +100

Use of a HINT JOKER (3 per team) -20

Use of the TRANSLATION JOKER (1 per team) -50

There will be 1 minute to read the problem and decide if the group want to use a Joker.

GROUPS

A (Ángela, Natalia, German y Ana)

B (Pablo, Carmen, María H, Álvaro y Nerea)

C (Ignacio, Julio, María A, Paula)

D(Nieves, África, Jose Antonio, Marta)

1. THE CORN COBS HARVEST (6 min)



Cathy Cobb from Cobb's farm is preparing to harvest her crop of corn this autumn. The field will have seven hundred seventy seven rows of corn with two hundred fifty three cobs of corn in each row.

How many corn cobs are there in all?

Calculation

Solution

Help me! Harvest: recolectar, crop: cosecha , cob: mazorca

HINT: The field is divided into rows (filas)



TRANSLATION: Cathy Cobb de la granja Cobb se está preparando para recolectar su cosecha de maíz este otoño. El campo tiene 777 filas de maíz con 253 mazorcas de maíz cada una. ¿Cuándo mazorcas de maíz hay en total?

2. THE LEAVES ARE FALLING (8 min)



A big oak tree has thirteen branches and five hundred twenty leaves on average in each branch. In November two thirds of the leaves have fallen.

How many leaves are there on the ground?

Calculation

Solution

Help me! Oak: roble, branche: rama, leave: hoja, ground: tierra

HINT:

First step: Calculate the total amount (cantidad) of leaves

Second step: Use a fraction as operator

TRANSLATION: Un gran roble tiene 13 ramas y 520 hojas en cada rama de promedio. En noviembre se han caído dos tercios de las hojas. ¿Cuántas hojas hay en el suelo?

3. A TYPICAL AUTUMN DAY IN SEVILLE (5 min)

The temperature on a autumn morning in Seville is 7 degree at 8:00 am. By midday the temperature has increased 8 degree and by four in the afternoon it has increased by 3 more degrees. From four to midnight it goes down 9 degrees.

What was the temperature at this time?

Calculation

Solution

Help me! Degree: grado, to increase: incrementar, to go down: bajar, midday: mediodía, midnight: medianoche.

HINT: The same problem that was in the last exam

TRANSLATION: La temperatura en una mañana de otoño en Sevilla es de 7 grados a las 8, hasta el mediodía ha aumentado 8 gradas y hasta las 4 de la tarde ha aumentado 3 grados más. Desde las 4 hasta medianoche ha bajado 9 grados. ¿Cuál es la temperatura a esa hora?

4. HALLOWEEN : TRICK OR TREAT (8 min)



This Halloween In Smallville, four hundred eighty six children played the trick or treat game and they collected one hundred thirty five pieces of candy each. They used bags to keep them, each bag contained fifteen pieces of candy.

How many bags they collected?

Calculation

Solution

Help me! Trick or treat game: juego de truco o trato, piece of candy: caramelo, each: cada uno, to collect: recoger

HINT

First step Calculate all the pieces of candy

Second step Calculate the amount of bags.

TRANSLATION: Este Halloween en Smallville 485 niños jugaron al truco o trato y recogieron 135 caramelos cada uno. Usaron bolsas para guardarlos, cada bolsa contenía 15 caramelos. ¿Cuántas bolsas recogieron?

5. AUTUMN SEASONAL FRUITS (10 min)



In autumn some seasonal fruits are apples, pears, kiwis, and grapes. A supermarket in Sanlúcar La Mayor wants to buy boxes to store all the seasonal fruits. They have to put **the same amount of pieces of fruit in each box**. In total, there are three hundred twenty apples, two hundred forty pears and one hundred eighty kiwis in its warehouse.

What will be **the maximum amount of pieces of fruit** in each box without mixing the fruits?

Calculation

Solution

Help me! Seasonal fruit: frutas de temporada, amount: cantidad, warehouse: almacén, to mix: mezclar

HINT: Calculate the Greatest common divisor (GCD) - Máximo común divisor (MCD)

TRANSLATION: En otoño algunas frutas de temporada son las manzanas, peras, kiwis y uvas. Un supermercado de Sanlúcar La Mayor quiere comprar cajas para guardar las frutas de temporada. Tienen que poner la misma cantidad de fruta en cada caja. En total hay 320 manzanas, 240 peras y 180 kiwis. En su almacén ¿Cuál será la cantidad máxima de piezas de fruta en cada caja sin mezclarlas?