APRENDER SEMPRE

2º ANO
ENSINO FUNDAMENTAL

MATEMÁTICA

Dear student and caregiver,

To prevent the dissemination of the new coronavirus, and to preserve everyone's health, school activities were paralyzed to reduce the circulation of people. In order not to interrupt your school studies even during the period of suspension of classes, the State Secretary of Education has prepared some materials to support you at this moment.

This material is divided in two parts: one on Portuguese Language and the other one in Mathematics. Here you will find activities to enhance your knowledge. Also, two inserts are included: one with information about COVID-19 and the other one with guidelines and suggestions for you to organize a study routine and continue learning, even without going to school!

When you return to school, you must hand over the activities to your teacher. That way you can have feedback on what you managed to advance and be supported to learn even more!

Good luck with your studies!

Nome da Escola: _____

Nome do Aluno: _____

Data: __/___/2020   **Ano/Turma 2ª Ano EF _____**

SEQUENCE 1 – HOMEMADE FOOD

ACTIVITY 1

1.   AT MARCELA'S GRANDMOTHER KITCHEN THERE ARE SOME OBJECTS THAT LOOK LIKE GEOMETRIC OBJECTS. OSBERVE THE OBJECTS AND WRITE DOWN THE NAME OF THE GEOMETRIC FIGURE THEY ARE SIMILAR TO:

Illustration: Freepik

2.   AT THE KITCHEN CLOSET THERE ARE 21 BLUE DISHES AND SOME WHITE ONES. IN TOTAL THERE ARE 32 DISHES, HOW MANY OF THEM ARE WHITE?

3.   WRITE DOWN TWO ADDITIONS FOR EACH RESULT.

	10

	30

ACTIVITY 2

NOW SOLVE THE ACTIVITIES.

1. MARCELA'S GRANDMOTHER GOES TO THE NEIGHBORHOOD MARKET TO BUY FRESHER FRUITS. SHE BOUGHT 45 ORANGES AND 14 GUAVAS. HOW MANY FRUITS DID SHE BUY?

2. BESIDES THOSE FRUITS SHE ALSO BOUGHT 25 APPLES. KNOWING THAT 12 ARE RED AND THE REST ARE GREEN. HOW MANY GREEN APPLES ARE THERE?

3. HER GRANDMOTHER BOUGHT 48 BANANAS BUT 22 WERE GREEN. HOW MANY BANANAS WERE RIPE?

ACTIVITY 3

MARCELA'S MOTHER IS GOING TO PREPARE A FRUIT SALAD. SO, SHE WENT TO THE FRUIT STORE TO BUY SOME FRUITS.

SEE THE PRICE OF THE FRUITS SHE FOUND:

Illustration: Freepik

1.   SHE HAS 20 REAIS. IS THIS VALUE ENOUGH TO PAY FOR THE FRUITS?

2.   IF SHE ONLY HAD 10 REAIS, WHICH FRUITS COULD SHE PAY FOR WITHOUT LEAVING ANY CHANGE?

3.   AND IF SHE HAD 15 REAIS?

4.   CIRCLE ONE POSSIBILITY IN WHICH THE BILLS ADDED TOGETHER SUM 20 REAIS:

Illustration: Freepik

SEQUENCE 2 – PREVENTION CAN BE THE SOLUTION!

> ### DID YOU KNOW THAT PEOPLE AND DOMESTIC ANIMALS MUST BE VACCINATED?

ACTIVITY 1

AT THE HEALTH CLINIC NEAR PAULINHA'S HOUSE, VACCINES ARE SEPARATED BY TYPE, NUMBERED AND KEPT ON A REFRIGERATOR.

SOME DOSES WERE ALREADY USED. SO, IN PLACE OF THE NUMBER THERE IS THE SYMBOL OF THE TYPE OF VACCINE. SEE THE TYPES OF VACCINES:

	SARAMPO		GRIPE		POLIOMELITE

SEE THE TABLE OF VACCINES:

SARAMPO (MEASLES)	250	251			254	
	256	257	258	259	260	261
	262		264		266	267
GRIPE (FLU)	268			271		
		275			278	279
	280	281	282	283		
POLIOMELITE (POLIOMYELITIS)	286	287			290	291
	292		294	295	296	

Ilustração: Cassiana Paula Cominato

1. REPLACE THE IMAGES BY THE NUMBERS THAT ARE MISSING ON THE VACCINES' TABLE AND WRITE THEM DOWN:

A. SARAMPO

B. GRIPE

C. POLIOMELITE

2. CHECK THE VACCINE TABLE AND ANSWER:

A. WHAT IS THE TOTAL NUMBER OF VACCINE DOSES USED?

B. INDICATE THE TOTAL NUMBER OF DOSES USED FROM EACH TYPE OF VACCINE:

SARAMPO	GRIPE	POLIOMELITE

Ilustração: Cassiana Paula Cominato

C. HOW MANY PEOPLE HAD THEIR VACCINATION?

SARAMPO	GRIPE	POLIOMELITE

ACTIVITY 2

PAULINHA'S MOTHER IS A NURSE AT A HEALTH CLINIC. IN ONE DAY SHE APPLIED 52 VACCINES AND ON THE NEXT DAY, 25. SEE HOW PAULINHA CALCULATED THE QUANTITY OF VACCINES APPLIED BY HER MOTHER:

VOU FAZER DE UM JEITO DIFERENTE.

$$50 + 2$$
$$\underline{20 + 5} \ +$$
$$70 + 7 = 77$$

Ilustração: Ana Rita da Costa

1. SOLVE THE ADDITIONS USING NUMERIC DECOMPOSITION, JUST AS PAULINHA DID:

A. 12 + 15	**B.** 23 + 36
C. 42 + 51	**D.** 66 + 13
E. 82 + 17	**F.** 44 + 33

ACTIVITY 3

NOW SOLVE THE FOLLOWING PROBLEMS:

1. YESTERDAY 53 CHILDREN WERE VACCINATED AGAINST POLIOMELITE (POLIO-MYELITIS) AND OTHERS WERE VACCINATED TODAY. IN TOTAL 95 VACCINES WERE APPLIED. HOW MANY KIDS WERE VACCINATED TODAY?

2. DURING VACCINATION AGAINST RABIES, 99 ANIMALS FROM THE NEIGHBORHOOD WERE VACCINATED, BETWEEN CATS AND DOGS. KNOWING THAT 72 WERE DOGS, HOW MANY CATS WERE VACCINATED?

3. AT THE HEALTH CLINIC 52 CHILDREN AND 32 SENIORS WERE VACCINATED AGAINST THE GRIPE (FLU). HOW MANY PEOPLE WERE VACCINATED?

SEQUENCE 3 – WEIGHT CONTROL

ACTIVITY 1

BRUNO AND PAULINHA'S MOTHER USES DIFFERENT TYPES OF SCALES TO DISCOVER SOMETHING OR SOMEONE'S "WEIGHT".

Imagem: NUCA

ONE OF THE UNITS SHE USES TO MEASURE THE "WEIGHT" IS THE KILOGRAM. ON EVERYDAY LIFE PEOPLE USUALLY SAY THE WORD KILO.

1. THE DISHES ON THE SCALE ARE EVEN. DISCUSS ORALLY WHAT CAN THAT POSSIBLY MEAN?
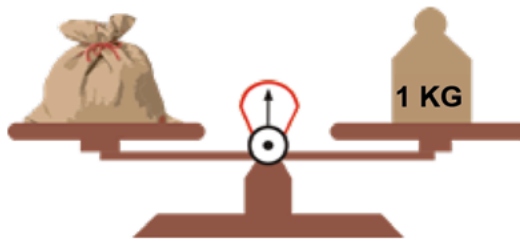

Ilustração: Cassiana Paula Cominato

2. WRITE THE NAME OF SOME OBJECTS AND INDICATE IF THEY HAVE MORE OR LESS ONE KILOGRAM. CHECK WITH AN "X" YOUR ESTIMATIVE OF THE WEIGHT OF THE OBJECTS CHOSEN.

OBJECT	LESS THAN ONE KILOGRAM	MORE THAT ONE KILOGRAM

ACTIVITY 2

1. PAULINHA AND BRUNO MEASURED THEIR "WEIGHT" ON A DIGITAL SCALE:

Ilustração: Ana Rita da Costa

66 KG

WHAT IS THE "WEIGHT" OF
BOTH OF THEM?

38 KG

WHAT IS BRUNO'S
"WEIGHT"?

Ilustração: Ana Rita da Costa

28 KG

70 KG

WHAT IS PAULINHA'S
"WEIGHT"?
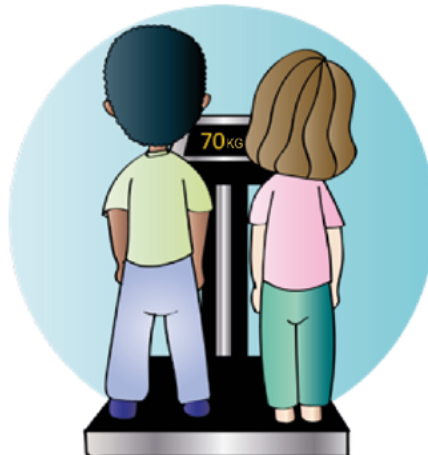
BRUNO WEIGHTS 38 KILOS. WHAT
IS THE WEIGHT OF THE OTHER KID?
DISCUSS ORALLY WHAT YOU DID TO
FIND OUT THE RESULT.

ACTIVITY 3

THIS IS BRUNO AND PAULINHA'S FAMILY. THEY LIVE ON THE 4TH FLOOR OF A BUILDING AND THEY ARE WAITING FOR THE ELEVATOR ON THE GROUND FLOOR.

Ilustração: Ana Rita da Costa
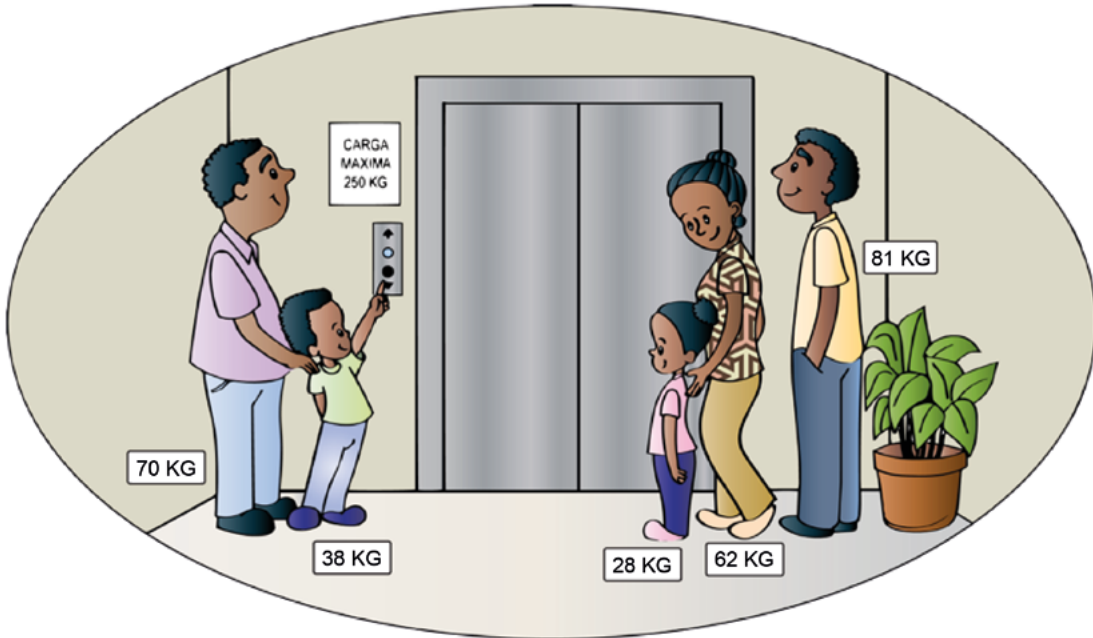
ATTENTION!
THE MEASURE UNIT OF A KILOGRAM CAN BE REPRESENTED BY KG.

1. OBSERVE THE MAXIMUM CAPACITY OF THE ELEVATOR AND ANSWER THE QUESTIONS USING THE CALCULATOR:

A. CAN EVERYONE IN THE FAMILY GET TOGETHER ON THE ELEVATOR? WHY?

B. WHAT WOULD BE THE TOTAL WEIGHT IF THE MOTHER, BRUNO AND PAULINHA GOT INTO THE ELEVATOR?

C. WHICH PEOPLE CAN GET IN WITHOUT EXCEEDING THE WEIGHT CAPACITY?

SEQUENCE 4 – PRESERVING YOUR HEALTH

ACTIVITY 1

PAULINHA DISCOVERED THAT THE HEARTBEAT IS ONE OF THE VITAL SIGNS OF PEOPLE AND ANIMALS.

1. OBSERVE THE INFORMATION AND ANSWER:

AGE	HEARTBEATS PER MINUTE
NEWLY BORN	125
SIX MONTHS TO TWO YEARS OLD	115
TWO TO SIX YEARS OLD	100
SIX TO TEN YEARS OLD	90
OVER TEN YEARS OLD	85

FONTE: ORGANIZAÇÃO MUNDIAL DA SAÚDE (OMS)

2. HOW MANY TIMES PER MINUTE DOES THE HEART OF A SEVEN-YEAR-OLD KID BEAT?

A. AT WHICH AGE GROUP THERE ARE MORE HEARTBEATS PER MINUTE?

B. WHAT IS THE DIFFERENCE BETWEEN THE AMOUNT OF HEARTBEATS IN A NEWLY BORN FROM AN ONE-YEAR-OLD CHILD?

AGE	HEARTBEATS PER MINUTE
NEWLY BORN TO SIX YEARS OLD	125
SIX MONTHS TO TWO YEARS OLD	115

C. COMPLETE THE SEQUENCE OF NUMBERS BETWEEN 0 AND 125 COUNTING FROM 5 TO 5.

D. COMPLETE THE OPERATIONS USING THE CORRECT SYMBOLS TO MAKE THE MATHEMATICAL SENTENCES TRUE:

+	–	=
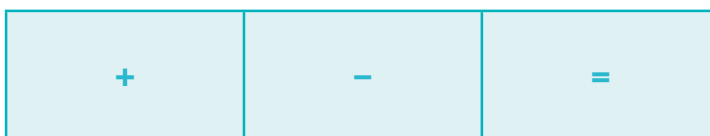
70	10	80		100	59	159
50	30	20		100	40	60
48	18	30		200	11	211

ACTIVITY 2

BRUNO HAS 57 REAIS AND IS GOING TO BUY A FLEA COLLAR FOR HIS CAT THAT COSTS 25 REAIS.
HE WANTS TO KNOW HOW MUCH MONEY HE WILL HAVE LEFT AFTER THE PURCHASE.
SEE WHAT HE DID TO FIND OUT:

$$50 + 7 \quad -$$
$$20 + 5$$
$$\overline{30 + 2}$$

Ilustração: Ana Rita da Costa.

ANSWER: HE WILL HAVE _____ REAIS LEFT.

1. SOLVE THE SUBTRACTIONS USING THE NUMERIC DECOMPOSITION JUST AS BRUNO DID:

27 − 15	49 – 34
84 − 52	63 − 21

ACTIVITY 3
SOLVE THE PROBLEMS

1. BRUNO'S UNCLE WORKS AT A SUPERMARKET. HE PLACED 76 TOOTHPASTE BOXES IN A SHELF. HE SOLD 61 BOXES. HOW MANY TOOTHPASTE BOXES ARE LEFT IN THE SHELF?

2. IN ONE OF THE DISPLAY RACKS AT THE SUPERMARKET THERE WERE MANY SOAPS. BRUNO'S UNCLE PLACED 57 MORE TO GET A TOTAL OF 98. HOW MANY SOAPS WERE INITIALLY IN THE DISPLAY RACK?