Worksheet 1

CLASSIFYING UNITS OF MEASUREMENT

Get in groups of 2.
Listen to the teacher and write the units which are from the metric system in the right column and the units which aren´t from the metric system in the left column.

FEET	KILOMETRE

Worksheet 2

IMAGINE YOUR OWN SYSTEM OF MEASUREMENT

Get in groups of 3

Imagine you live in a world where there are no systems of measurement. Draw 3 or 4 things you would use to create your own system of measurement.

To measure
DISTANCE

To measure
VOLUME

To measure
WEIGHT

The units to measure (distance) are .....
We measure (volume) with .....

We agree.....
We don´t agree because.....

Worksheet 3

TRUE/FALSE GAME

Get in groups of 3.
Write down the statements in the right box.

TRUE STATEMENTS	FALSE STATEMENTS

The true statements are .....
The false statements are...
We agree / We don't agree

Worksheet 4

USE METRICS:STREET STYLE

Use Metrics (8x)
I know that you think metric system seems hard
But in reality, it's not that hard
You'll thank us for showing you an easy way
To know the way it goes for the rest of your days
I know at time it gets confusing and such
But the metric system is a must
So sit there, listen up and follow me
'Cuz the metric system's easy

Use Metrics (8x)
King Henry Died Monday Drinking Chocolate Milk
That's the rhyme so you can remember it all the time
It's like that
It's easy, it's easy can be
You'll learn it forward and back so easily
Let 'em know the metric system's not tough
When it comes to this- man we're just too much
Do it now, sit back and listen
Then you'll learn the metric system

Use Metrics (8x)
K stands for **Kilo**, H for **Hecto**, D for **Deka**
And M- M is the basic unit,
There's **meters, liters, and grams**
Meters measures length-my man, **grams** measures weight and
Liters measure capacity of containers- my friend
Decimals are used in the metric system
Keep 'em in your head you won't forget 'em
Hey – yo - it's so easy you see come on everybody and sing the chorus with me

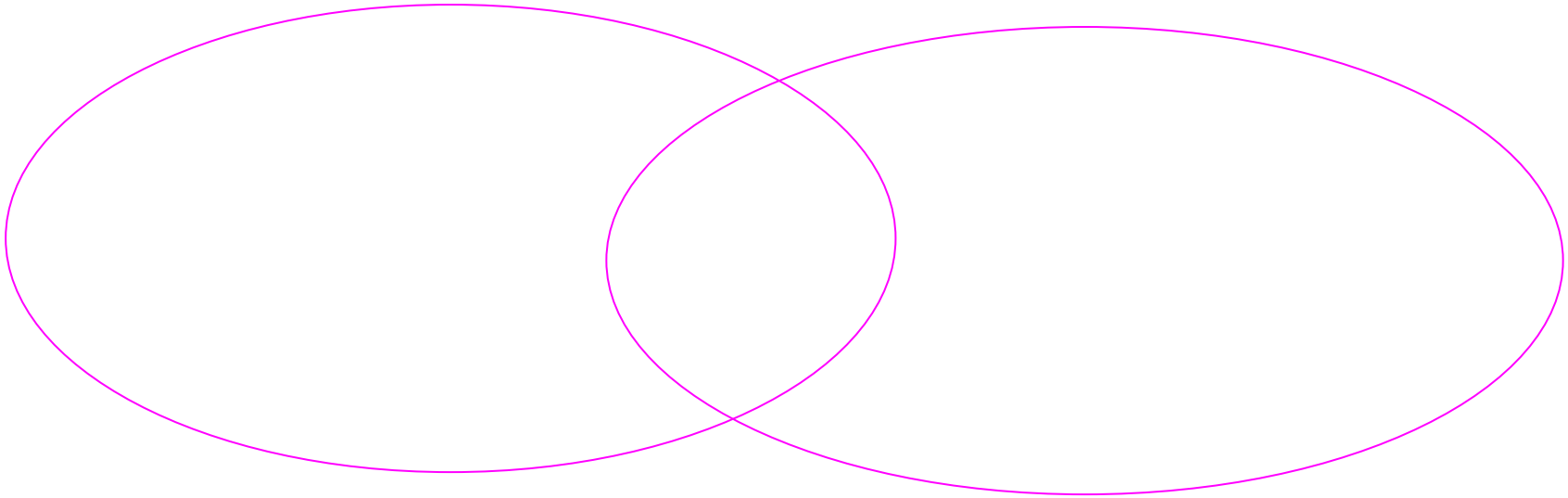
Use Metrics (8x)

Now that you learned the first 4, now it's time to learn some more
d is **deci**, c is **centi** m is **milli** , that's it really
We're winners - let's put 'em together
When you hear it, it sounds kind of clever
King **H**enry **D**ied **M**onday **D**rinking **C**hocolate **M**ilk

Worksheet 5

VENN DIAGRAM ACTIVITY

Get in groups of 3.
Look at the different measuring tools and classify them in 3 groups.



We think that.....
We agree
We don´t agree because....

Worksheet 6

THE ESTIMATING GAME

You will need: paper, pencils, ruler and metric tape

In groups of 3:

- Cut out the cards
- Place the cards face down on the table
- A card is chosen and each player records his or her estimate of the answer in the students worksheet.
- The object is then measured and a point is awarded to the person with the closest estimate.
- The winner is the one with the most points when all cards have been used.

How high is your desk?	How tall is the tallest person in your class	Draw a line 8cm long without using a ruler	How long is the blackboard?
What is the length of your pencil case?	How wide is the door?	How long is your thumb?	How short is the shortest person in the classroom?
Draw a 1m line on the blackboard	What is the width of the English dictionary?	What is the height of the window?	How tall are you?

STUDENT 1 ESTIMATES	STUDENT 2 ESTIMATES	ESTUDENT 3 ESTIMATES	ACCURATE MEASUREMENT	Who gets the point?

Worksheet 7

Look around the classroom and find objects for each column. Make a list of items.

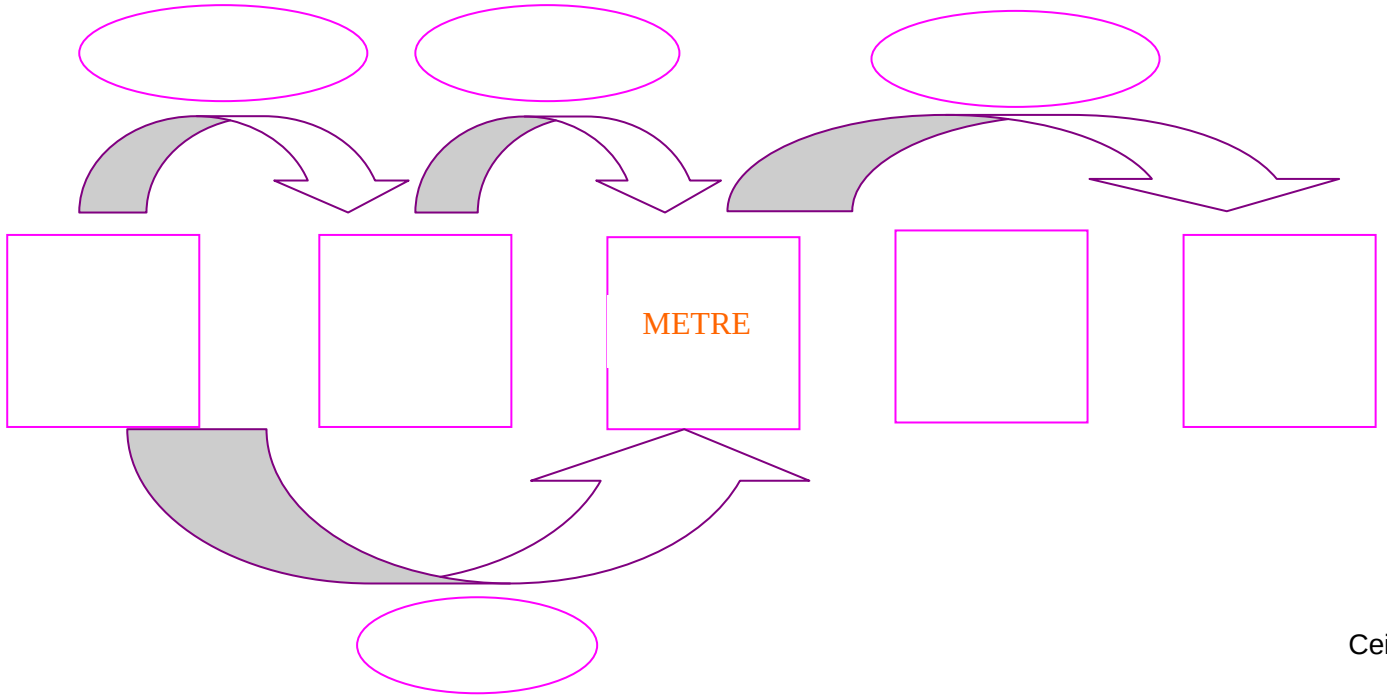
More than 1 m	Less than 1 m	About 1m
blackboard	chair	table

Worksheet 8

WORD MAP

Get in pairs
Fill in the blank boxes and ovals so that they will contain:

- The name of the metric unit
- The short hand symbol
- The 10 or 100 or 1000 between each box



Worksheet 9

CONVERTING QUIZ

KM HM DM M dc cm mm

Circle the correct answer

1. How many cm in a m?
   a. 1000
   b. 100
   c. 10
   d. 1

2. How many mm in a cm?
   a. 1000
   b. 100
   c. 10
   d. 1

3. How many m in a km?
   a. 1000
   b. 100
   c. 10
   d. 1

4. How many dm in a metre?
   a. 1000
   b. 100
   c. 10
   d. 1

Now try to remember this sentence:
King Henry Doesn´t Mind Drinking Chocolate Milk
KM HM DM M dm cm mm
Can you make up another sentence?
.....

Worksheet 10

MINI OLYMPICS

CHILD NAME	DISTANCE JUMPED IN M	ROUND TO THE NEAREST 10	ROUND TO THE NEAREST 100

Worksheet 11

ROUNDING GAME

Get in groups of 4.
Each student cuts one of the boxes and starts playing. The winner is the student that has got the highest number.

STUDENT 1

Throw the dice	My number	Round it
Twice to make a two digit whole number		To the nearest 10
Three times to make a three digit whole number		To the nearest 100
Four times to make a four digit whole number		To the nearest 1000
Now sum up all the numbers – who has the highest number in the group is the winner!		

STUDENT 2

Throw the dice	My number	Round it
Twice to make a two digit whole number		To the nearest 10
Three times to make a three digit whole number		To the nearest 100
Four times to make a four digit whole number		To the nearest 1000
Now sum up all the numbers – who has the highest number in the group is the winner!		

STUDENT 3

Throw the dice	My number	Round it
Twice to make a two digit whole number		To the nearest 10
Three times to make a three digit whole number		To the nearest 100
Four times to make a four digit whole number		To the nearest 1000
Now sum up all the numbers – who has the highest number in the group is the winner!		

STUDENT 4

Throw the dice	My number	Round it
Twice to make a two digit whole number		To the nearest 10
Three times to make a three digit whole number		To the nearest 100
Four times to make a four digit whole number		To the nearest 1000
Now sum up all the numbers – who has the highest number in the group is the winner!		

Worksheet 12

PAIR ASSESSMENT

STUDENT´S NAME .....

INSTRUCTIONS:
Throw the dice, go to the correct box and ask your partner a question about what is written in the box. If the answer is correct, colour the happy face, if not leave it the way it is. When you have finished, change roles.

1 **MEASURING TOOLS**	2 **ROUNDING**	3 **METRIC SYSTEM SONG**
4 **ROUNDING CHANT**	5 **BOOK "MILLIONS TO MEASURE"**	6 **METRIC SYSTEM**
7 **CONVERTING**	8 **ESTIMATING**	9 **LENGTH**

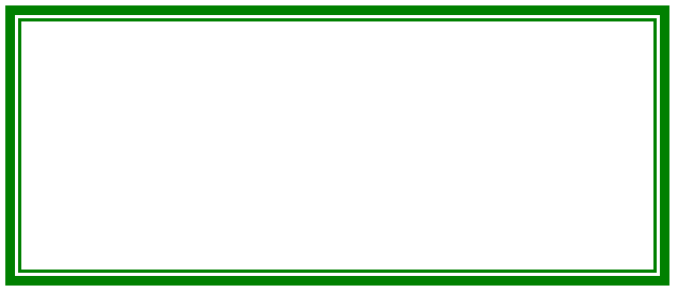
Worksheet 13

WALKING AROUND THE FOOTBALL FIELD

- Get in groups of 2. Each pair measures one of the sides of the football field. Record your measurements in the correct sides of the rectangle below.
- Get all together and fill in the box bellow.

_____ **meters**

_____ **meters**



_____ **meters**

_____ **meters**

The longest side measures _____ meters.

The shortest side measures _____ meters.

The sum of all the sides is _____ meters.

The perimeter is _____ meters.

Worksheet 14

WALKING AROUND THE BASKETBALL COURT

- Get in groups of 2. Each pair measures one of the sides of the basketball court. Record your measurements in the correct sides of the rectangle below.
- Get all together and fill in the box below.

_____ meters

_____ meters

_____ meters

_____ meters

The longest side measures _____ meters.

The shortest side measures _____ meters.

The sum of all the sides is _____ meters.

The perimeter is _____ meters.

Worksheet 15

BIG SHAPES IN THE PLAYGROUND

- Get in groups of 6, make three different shapes and fill in the chart.
- Some shapes you can make: RECTANGLE, ROMBUS, TRAPEZIUM, SQUARE

We made a	The perimeter is	The shape fits ....
TRIANGLE	9 METERS	12 FOOTPRINTS

Worksheet 16

LET´S INVESTIGATE THE PERIMETER MADE WITH 5 SQUARES

- Estimate all the questions and check them using the 5 squares below

- How many shapes can you make?

estimation	check

- How many different perimeters can you make using the 5 squares?

estimation	check

- Calculate the perimeter of each shape you make (suppose each side of the square is 1cm)

Shape 1	
Shape 2	
Shape 3	
Shape 4	
Shape 5	
Shape 6	

  - Are all the perimeters the same? _____
  - Why?

_____

_____

Worksheet 17

POWER POINT: PERIMETER AND AREA

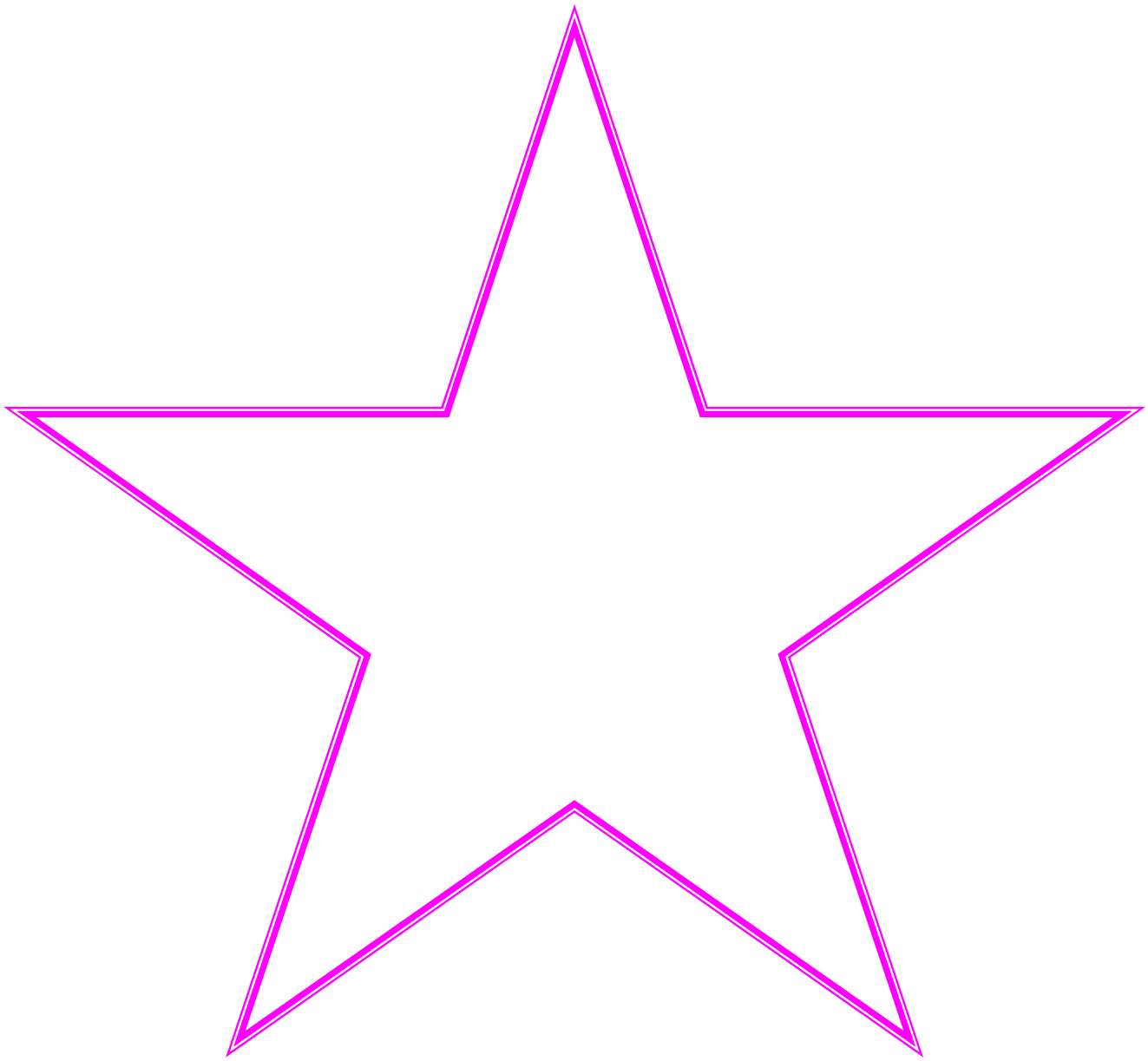
- Before watching the power point, predict the answers to the following questions and compare them with your partner.
- Listen and check for the right answer while watching the presentation.

STATEMENTS	Yes	No	I don't know
1.The perimeter is the total distance around the outside of a 2D shape.			
2. There're several ways to calculate the perimeter of a rectangle			
3. To find the perimeter of a triangle you need to add up the length of all 3 sides			
4. To find the perimeter of a compound shape you need to know the length of each side.			
5. The area is the amount of surface the 2D shape covers.			
6. Some units to mesure area are cm^2 ,m^2 ,km^2 ,feet and pounds			
7. You can calculate the area of a rectangle by multiplying the length by the width.			
8. To calculate the area of an irregular shape you can break down the shape into rectangles.			

Worksheet 18

FORMULAE WE´VE LEARNED

- After watching the power point try to remember all the formulae you´ve learned and write them inside the star.
- Compare your work with your partner.



Worksheet 19

BARCELONA FROM THE AIR

Get in groups of 3.
Choose a building you like and give 3 reasons for your choice.
Write down the perimeter and the area.

The name of the building is …	
We chose it because…	
The perimeter is …	
The area is …	

Worksheet 20

BARCELONA MEASURED UP

Work in pairs.
Use the GoogleEarth images to answer the questions below.

Using Image #1 (Parc de la Ciutadella)

- What is the area of the grassy rectangle shape inside Parc de la Ciutadella, in km? What is the perimeter, in meters?

Using Image #2 (Hotel Ars)

- Hotel Ars is the grey-roofed building in Image #2. What is the perimeter of the squared roofed shape in cm? What is the area in meters?

Using Image #3 (Triangle shape)

- What is the perimeter and the area in meters of the triangle shape between Marina street and Salvador Espriu street?

Worksheet 21

GOOGLE EARTH ACTIVITY

Name of the country	
Name of the city	
OUR QUESTIONS:	
ANSWERS:	

What's the	height width length perimeter area	of the	…… building (square/rectangle/triangle) shape	in km ? in m ? in cm ? in mm ?

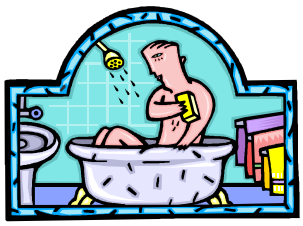
Worksheet 22

PLANNING OUR DREAM HOUSE 1

Circle the rooms your house will have and write about it in the box below.

garden – living room- bedroom – kitchen – bathroom



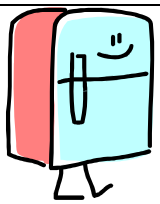

Our house will have …

Worksheet 23

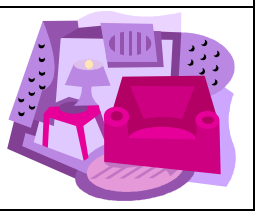
PLANNING OUR DREAM HOUSE 2

What's in your house? Tick 3 items for each room.

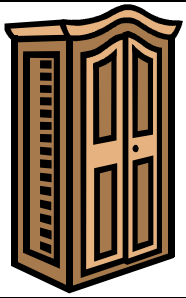
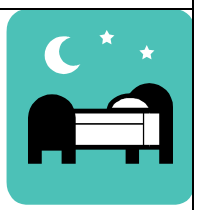
In the kitchen there is...

				
OVEN	FRIDGE	BARBECUE	KITCHEN TABLE	SINKS

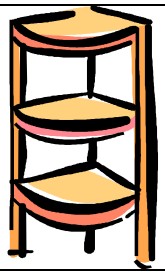
In the living room there is...

				
television	sofa	chair	table	armchair

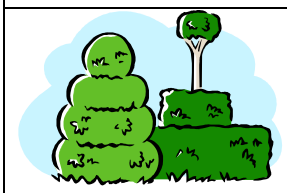
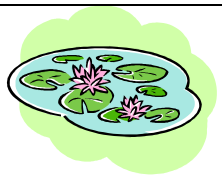
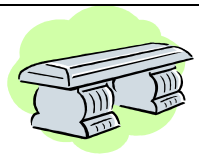
In the bedroom there is...

				
bookshelf	wardrove	night table	chair	bed

In the toilet there is...

			
Bath	toilet	sink	shelves

In the garden there is...

				
trees	pond	bench	fountain	goose

Worksheet 24

PLANNING OUR DREAM HOUSE 3

Look at the graphic symbols and draw the ones you want to use.

- The graphic symbols for the kitchen are …

- The graphic symbols for the dining room are …

- The graphic symbols for the bedroom are …

- The graphic symbols for the bathroom are …

Worksheet 25

PLANNING OUR DREAM HOUSE 4

Decide the sizes for each room

ROOM :	
AREA :	…… × ……

ROOM :	
AREA :	…… × ……

ROOM :	
AREA :	…… × ……

ROOM :	
AREA :	…… × ……

ROOM :	
AREA :	…… × ……