



Name: _____

Date: _____

LESSON 2, ACTIVITY 3: Which container holds more capacity? (PW)

1. Cut out  and order (1, 2, 3...). Then stick  on the handout.



1.	6.
2.	7.
3.	8.
4.	9.
5.	10.



Don't pour/drop water.	Silence, please.
Don't throw water away.	Turn off the tap.
Go to the classroom.	Turn on the tap.
Please, don't run.	Wait for a minute.
Put the container under the tap.	Walk to the toilet.

Name: _____

Date: _____

2. Look  at the containers and write down  the capacity in the chart.

Pupils' Names	Containers used to measure.	Estimated capacity (L or mL)		Actual capacity (L or mL)	
		More than 1L.	Less than 1L.	More than 1L.	Less than 1L.

Name: _____

Date: _____

CLASS SURVEY



Classmate's name:										
Less than 1L.										
1L.										
More than 1L.										

Name: _____

Date: _____

Volume problems (cards)

2/3

Cut out and match with the previous cards¹.

(1. Cards from *No Fuss Maths. Photocopiables Ages 7-11. Scholastic Publishing*).

One thousand five hundred ml plus nine hundred millilitres plus five hundred millilitres	Ten millilitres multiplied by three times a day multiplied by five days.	Nine hundred millilitres divided by Fifteen millilitres.
Two hundred and fifty ml multiplied by two. Two hundred and fifty ml multiplied by two. Five hundred millilitres multiplied by two.	Fifty thousand ml divided by seven hundred and fifty ml.	Twenty-eight litres divided by four.

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Name: _____

Date: _____

Cut out and match with the previous cards.
Then, stick them on your notebook.

Volume problems (cards)

3/3

He has seven litres of petrol.

Mum drinks five hundred
millilitres every day.
Morgan drinks five hundred
millilitres every day.
Greg drinks one thousand
millilitres (one litre) every day.
Altogether is 2 thousand ml,
which is 2 l.

Twenty bottles of wine could be
filled from the barrel.

The punch won't fit in their
punchbowl because two
thousand nine hundred millilitres
is bigger than two thousand five
hundred ml. They will need a
bigger punchbowl.


She will need to buy the one
hundred and seventy-five ml
bottle of medicine, because she
will need to take one hundred
and fifty millilitres altogether.

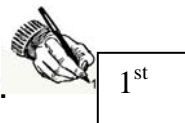
He can have
sixty bubble baths.

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Name: _____

Date: _____

1. Watch the video  an order the sentences. sentences if necessary.




Write  more

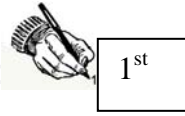
VIDEO FROM COUPLE 1: _____ and _____.

Pupil's name: _____			
			brushes her/his teeth.
			cleans her/his toothbrush.
			dries her/his hands.
			dries her/his mouth.
			dries her/his toothbrush.
			fills the glass with water.
			goes over the glass.
			puts the toothpaste on the toothbrush.
			puts the top on the toothpaste.
			rinses and spits the water again.
			rinses and spits the water twice.
			rinses and spits the water.
			takes a glass of water.
			takes the toothbrush.
			takes the toothpaste.
			takes the top out of the toothpaste.
			turns off the tap.
			turns on the tap.
			waters the toothbrush with the toothpaste.

Name: _____

Date: _____

1. Watch the video  an order the sentences
sentences if necessary.




Write  more

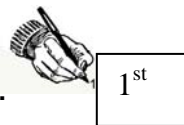
VIDEO FROM COUPLE 2: _____ and _____.

Pupil's name: _____			
			brushes her/his teeth.
			cleans her/his toothbrush.
			dries her/his hands.
			dries her/his mouth.
			dries her/his toothbrush.
			fills the glass with water.
			goes over the glass.
			puts the toothpaste on the toothbrush.
			puts the top on the toothpaste.
			rinses and spits the water again.
			rinses and spits the water twice.
			rinses and spits the water.
			takes a glass of water.
			takes the toothbrush.
			takes the toothpaste.
			takes the top out of the toothpaste.
			turns off the tap.
			turns on the tap.
			waters the toothbrush with the toothpaste.

Name: _____

Date: _____

1. Watch the video  an order the sentences.
sentences if necessary.




Write  more

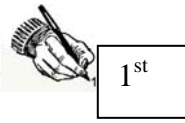
VIDEO FROM COUPLE 3: _____ and _____.

Pupil's name: _____			
			brushes her/his teeth.
			cleans her/his toothbrush.
			dries her/his hands.
			dries her/his mouth.
			dries her/his toothbrush.
			fills the glass with water.
			goes over the glass.
			puts the toothpaste on the toothbrush.
			puts the top on the toothpaste.
			rinses and spits the water again.
			rinses and spits the water twice.
			rinses and spits the water.
			takes a glass of water.
			takes the toothbrush.
			takes the toothpaste.
			takes the top out of the toothpaste.
			turns off the tap.
			turns on the tap.
			waters the toothbrush with the toothpaste.

Name: _____

Date: _____

1. Watch the video  an order the sentences
sentences if necessary.



Write  more

VIDEO FROM GROUP 4: _____, _____ and _____.

Pupil's name: _____			
			brushes her/his teeth.
			cleans her/his toothbrush.
			dries her/his hands.
			dries her/his mouth.
			dries her/his toothbrush.
			fills the glass with water.
			goes over the glass.
			puts the toothpaste on the toothbrush.
			puts the top on the toothpaste.
			rinses and spits the water again.
			rinses and spits the water twice.
			rinses and spits the water.
			takes a glass of water.
			takes the toothbrush.
			takes the toothpaste.
			takes the top out of the toothpaste.
			turns off the tap.
			turns on the tap.
			waters the toothbrush with the toothpaste.

Name: _____

Date: _____

Words worth 2/2

Thirteen	Sixteen	Fourteen	Four
Nine	Eight	Thirteen	Five
Seventeen	Five	Nine	Nine

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Name: _____



Date: _____

1. Read  and think .


WATER USED AT HOME:

Cleaning teeth		5 litres
Washing face		5 litres
Flushing the toilet		12 litres
Taking a bath		120 L
Taking a shower		15 L/min.
Washing-up by hand		15 L
Running the dishwasher		35 L
Running the washing machine		200 L

Green, Dr. Jen (2005) *Saving Water*. Improving our environment. Wayland Publishing.

2. Read , look  at the box

..... L are used while.....

 and write .

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____
- f) _____
- g) _____
- h) _____

Name: _____

Date: _____

1. Look
answer:



at the table, read



the questions and write



the appropriate

Table 4: Per Capita Water Consumption in Selected Countries

Country	Average Daily Consumption (gal/day) ²	Country	Average Daily Consumption (gal/day) ⁵
AFRICA			
Angola	5.8	Botswana	19.3
Egypt	41.6	Kenya	12.6
Mozambique	2.7	Uganda	4.7
Zaire	4.4		
EUROPE			
Albania	4.1	Estonia	76.12
France	77.3	Germany	46.2
Switzerland	28.9	United Kingdom	29.8
NORTH & CENTRAL AMERICA			
Canada	209.4	Haiti	1.2
Jamaica	8.1	Mexico	39.2
United States	176.5		
SOUTH AMERICA			
Argentina	45.4	Brazil	39.3
Chile	70.8	Venezuela	119.3
ASIA			
Iraq	47.4	India	13.3
Israel	47.4	Philippines	89.7
Turkey	101.9	Viet Nam	39.1

¹ Data based on Gleick (1993) and Miller (1990). Values have been converted to US units.

² Data are derived from WRI (1996). Values have been converted to US units.

Introduction to the Human Dimensions of Global Change
©1997 Association of American Geographers

SOURCE: (Access Date 3rd March 2008)

<http://www.aag.org/HDGC/www/intro/units/unit1/worksheets/wksheet1-3.PDF>

1. How much water does a person from Argentina consume every day? _____

How many litres are these? _____

2. How much water does a person from Israel consume every day? _____

How many litres are these? _____

Name: _____

Date: _____

3. How much water does a person from Kenya consume every day? _____

How many litres are these? _____

4. How much water does a person from Mexico consume every day? _____

How many litres are these? _____

5. How much water does a person from United Kingdom consume every day? _____

How many litres are these? _____

6. Which is the African country with the least daily consumption of water? _____

7. Which is the African country with the most daily consumption of water? _____

8. Which is the European country with the most daily consumption of water? _____

9. Which is the European country with the least daily consumption of water? _____

10. Which is the American country with the least daily consumption of water? _____

11. Which is the American country with the most daily consumption of water? _____

12. Which is the Asian country with the most daily consumption of water? _____

13. Which is the Asian country with the least daily consumption of water? _____

14. In which **continent** is there the most daily consumption of water? _____

15. In which **continent** is there the least daily consumption of water? _____

Name: _____

Date: _____



1. Convert the **gallons into litres**. You can use the calculator .

TABLE:

	1 gallon = 4.5 L in the UK and Canada	1 gallon = 3.8 L in the USA.	
	Operation	UK and Canada	USA
6 gallons			
8 gallons			
10 gallons			
25 gallons			
28 gallons			
41 gallons			
70 gallons			
200 gallons			
400 gallons			



2. Read these sentences and **discuss**



with your partner which one justifies best your choice (**Why?**).

HELP TO JUSTIFY YOUR CHOICE (Frames)

- Because both sentences talk about
- Because in both sentences the word appears.
- Because we learned that when we, we aboutL/Gal. This is about Gal./L (divided into/ multiplied by)
- Because we've calculated that if in 1 day we waste, in 1 month we'll waste

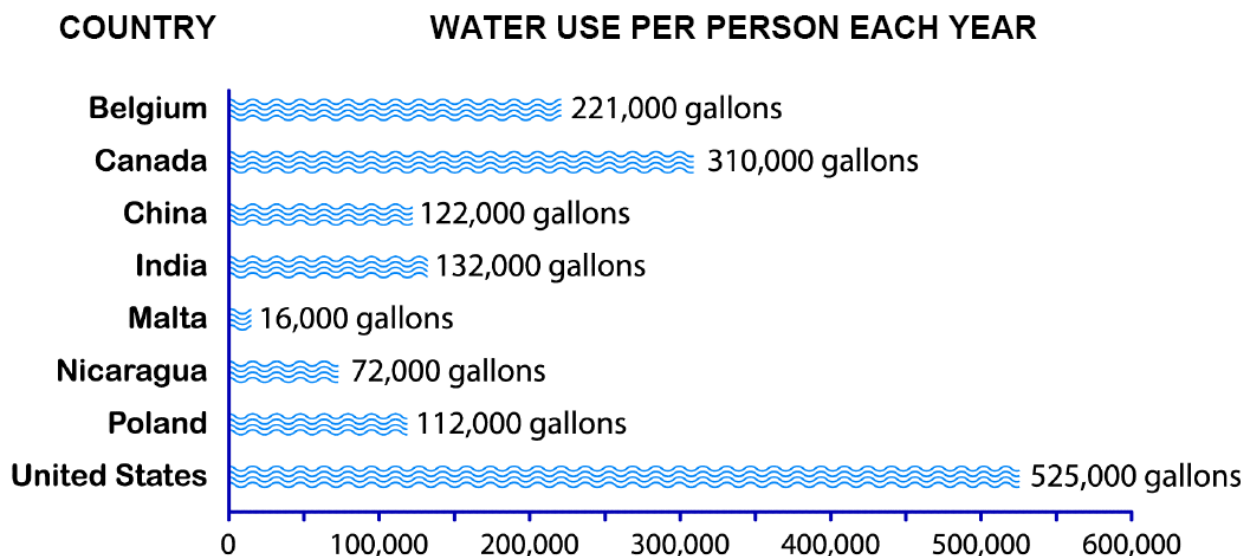
Name: _____

Date: _____

3. Look  at the chart and write  the answers and circle  the justification:

SOURCE: http://www.education-world.com/a_lesson/dailyip/dailyip/dailyip011.shtml (Access Date 3rd March 2008)

Water Use Around the World



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1) Which **country** uses **the most water** in one year? _____

How do you know? Because ...

- a) it is the **highest** amount on the graph.
- b) it is the **lowest** amount on the graph.
- c) it is the **average** on the graph.

2) In which **country** do people use **the least water** in one year? _____

How do you know? Because ...

- a) it is the **highest** amount on the graph.
- b) it is the **lowest** amount on the graph.
- c) it is the **average** on the graph.

Name: _____

Date: _____

3) **How many gallons** of water do people in **Poland** use each year? _____
How would you **convert** them **into litres**? By...

- a) **multiplying** them by 4.5.
- b) **dividing** them into 4.5.
- c) **adding** 4.5.

4) Do people in **Nicaragua** use **more or less water** than people in **India** use? _____
Why? Because...

- a) the amount of water is **the same**.
- b) the amount of water is **smaller**.
- c) the amount of water is **higher**.

5) How many **more gallons** of water do people in the U.S.A. use **than** Canada each year?

How do you know? Because ...

- a) I've **multiplied**.
- b) I've **added**.
- c) I've **subtracted**.

6) How many more gallons of water do people in Belgium use than people in China use each year?

How do you know? Because ...

- a) I've **multiplied**.
- b) I've **added**.
- c) I've **subtracted**.

WHY SAVING WATER?

LESSON 9 → Activity 2: Pair A and pair B.

Cut out and give one strip to one member of each pair:

PAIRS A

- In the United States a **family of four** uses **400 gallons** every **day**.

- If you **brush your teeth twice** a day **without turning off** the tap, you **waste 8 gallons** of water.

- **Having a bath** takes up to **70 gallons**. **Having a shower** takes **10 to 25 gallons**.

- If your **toilet** has a **leak**, you could **waste** about **200 gallons** of water every **day**.

- On average, a **washing machine** needs **41 gallons** of water **per load**.

- If you **wash your bike** using a **hose** you waste **6 gallons per minute**.

- If you **water the plants** when it's **sunny and hot** it's wasteful because **water evaporates** and the **plants** have **no time to drink**.

WHY SAVING WATER?

Cut out and give one strip to the other member of the couple:

PAIRS B

= You could **take** up to **10 baths** with that much water.

= **In a month** you could **fill a fish tank** with more than **200 gallons** that holds 6 small sharks!

= To **save** more **water** it is better **to take a short shower**.

= It's like **flushing your toilet** more than **50 times without reason!**

= A **high-efficiency washing machine** uses less than **28 gallons** of water **per load**.
= Anyway, **use a full load** when washing your clothes.

= **Use a bucket** and **sponge** instead.

= **Water your garden early** in the **morning or late** in the **afternoon**.

LESSON 9 → Activity 2: **Headlines.**

LET'S LEARN ABOUT WATER!

TURN OFF THE TAP!

SHOWER POWER!

FIX THAT LEAK!

MAKE IT A FULL LOAD.

WHO NEEDS A HOSE?

BEAT THE HEAT!

WHY SAVING WATER?

ANSWERS FOR THE TEACHER:

- **LET'S LEARN ABOUT WATER!** In the United States a family of four uses 400 gallons every day. → You could take up to 10 baths with that much water.
- **TURN OFF THE TAP!** If you brush your teeth twice a day without turning off the tap, you waste 8 gallons of water. → In a month you could fill a fish tank with more than 200 gallons that would hold 6 small sharks!
- **SHOWER POWER!** Having a bath takes up to 70 gallons. Having a shower takes 10 to 25 gallons → To save more water it is better to take a short shower.
- **FIX THAT LEAK!** If your toilet has a leak, you could waste about 200 gallons of water every day. → It's like flushing your toilet more than 50 times without reason!
- **WHO NEEDS A HOSE?** If you wash your bike using a hose you waste 6 gallons per minute. → Use a bucket and sponge instead.
- **MAKE IT A FULL LOAD.** On average, a washing machine needs 41 gallons of water per load. → A high-efficiency washing machine uses less than 28 gallons of water per load. Anyway, use a full load when washing your clothes.
- **BEAT THE HEAT!** If you water the plants when it's sunny and hot it's wasteful because water evaporates and the plants have no time to drink. → Water your garden early in the morning or late in the afternoon.

SOURCES (Access Date 2nd March 2008) : <http://www.epa.gov/owm/water-efficiency/kids/index.htm> and <http://www.epa.gov/owm/water-efficiency/water/simple.htm#fix>

Name: _____

Date: _____

PROBLEM SOLVING

1. Read the problems and solve them with your classmate.

1 US Gallon = 3.8L.

- 1) If in **10 baths** American people **waste 400 gallons**, **how many gallons** of water do they **waste in 1 bath**?
How many litres of water?



- 2) If American people **brush their teeth twice a day** without turning off the tap, they **waste 8 gallons** of water. **How many gallons** of water do they **waste brushing their teeth once**?
How many litres of water?

- 3) If your **toilet has a leak**, you could **waste about 200 gallons** of water every **day**. **How many gallons** of water will a toilet with a leak **waste in one hour**?
How many litres of water?

- 4) If your parents **wash the car using a hose** they **waste 6 gallons per minute**. **How many gallons** of water are **wasted in one day**?
How many litres of water?

- 5) If a **washing machine** needs **41 gallons** of water **per load** and a **high-efficiency washing machine** uses about **28 gallons** of water **per load**, **how many gallons** of water **can we save** using a high-efficiency washing machine?
How many litres of water?

Name: _____

Date: _____

DON'T WASTE WATER

1. Cut out and order.

<i>Don't waste water.</i>	<i>Plants and people,</i>
<i>Everywhere!</i>	<i>Please give me a drink.</i>
<i>It's hot and sunny.</i>	<i>Stop and think.</i>
<i>Let's all share.</i>	<i>Water's important.</i>

DON'T WASTE WATER

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<i>It's hot and sunny.</i>	<i>Stop and think.</i>
<i>Let's all share.</i>	<i>Water's important.</i>

Name: _____

Date: _____

DON'T WASTE WATER

2. Match the sentences with the pictures.

It's hot and sunny.



Please give me a drink.



Don't waste water.



Stop and think.



Water's important.



Let's all share.



Plants and people,



Everywhere!



Name: _____

Date: _____

A WITHERED FLOWER IN A FLOWERPOT

3. Write the poem: *Don't waste water.*

