

• Rang trí Maths/Third Class

8 Meitheamh 2020

- **Revise 4 division tables. Learn the tables off by heart. Then practise them mixed up!**
- **Planet Maths 3**
 1. **Lth. 147 Check Up (Division and dividing bigger numbers)**
 - ***Mathsantics basic division video***

- **Math Antics - Basic Division**

- https://content.foolsonline.ie/programmes/PlanetMaths/PM3/resources/activities/pm_3c_145a/division.html

2. Pages 157-161 (Capacity)

>games to help with capacity

<http://www.ictgames.com/mobilePage/capacity/index.html>

<https://www.topmarks.co.uk/ordering-and-sequencing/coconut-ordering>

Double click 'Who wants to be a millionaire' to open the powerpoint. Enjoy! Bain taitneamh as!

Who Wants To Be A Millionaire?

Year 3
What's the
capacity
(volume)



A Explain it!

Use cubes with a partner to see who can explain division in the clearest way. Remember to use as many mathematical words as possible.



B Do it!

1. $49 \div 7 = \underline{\quad}$ 2. $54 \div 6 = \underline{\quad}$ 3. $81 \div 9 = \underline{\quad}$ 4. $18 \div 3 = \underline{\quad}$

5. $5 \overline{)35}$ 6. $6 \overline{)36}$ 7. $8 \overline{)72}$ 8. $7 \overline{)21}$

9. $36 \div 5 = \underline{\quad} r \underline{\quad}$ 10. $24 \div 3 = \underline{\quad} r \underline{\quad}$



C Solve it!

- At the fun fair, Emily and her 15 friends decided to go on the waltzers. There were 4 carriages. How many went in each one if they split up equally?
- Claire's granny gave her €30 to share equally between her and her 2 brothers. How much did they each get?
- At Sue's party, 50 balloons were divided equally between the 8 children. How many did they each get? How many were left over?
- Emma bought 20 tulip bulbs. She could plant only 6 in each row. How many rows of tulips could she plant? How many were left over?



D Say it!

- In your own words, explain (a) divide, (b) share, (c) equal and (d) remainder.
- How many words can you think of that mean the following?
 - (a) addition (b) subtraction (c) multiplication (d) division

E Share it!

57 players belonging to 4 soccer teams travelled by car to a football tournament. Each car carried members of the same team and had the same number of players in it. Work out how many cars they travelled in by using the clues below.

- The 15 Barracudas players went 3 in each car.
- The Stingrays had 6 players per car.
- The Sharks had 1 more player in each car than the Dolphins.
- The Sharks and the Dolphins had 3 fewer players on each team than the Barracudas.

Team	Players	Players per car	Cars
Barracudas	15	3	
Stingrays			
Dolphins			
Sharks			
Total	57		



My goal is to learn that capacity is the measure of how much a container can hold.



A Warm-up. Listen to your teacher. Measure up!

We measure liquid using litres (l) and millilitres (ml).



Capacity

Capacity is the amount a container can hold. We measure capacity in litres and millilitres.



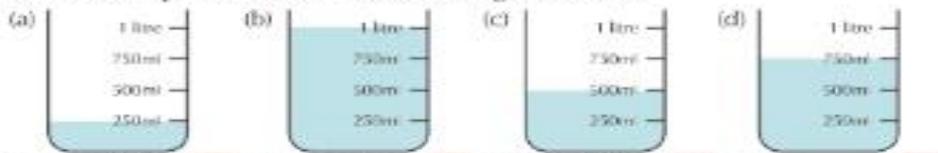
B Circle the items that hold less than one litre.



C Write some items in the table below.

Less than 1 litre	cup of coffee,
Greater than 1 litre	tin of paint,

D 1. How much liquid is in each of the following containers?



2. Can you think of two containers that might hold the following amounts?

(a) 250ml	(b) 1L	(c) 500ml	(d) 750ml
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Definition

334 Estimate, compare, measure and record the capacity of a wide variety of objects using appropriate units, such as l, ml.

Strand: Measure
Strand Unit: Capacity



A Think of six different containers. Estimate and measure the capacity of each.

Container	My estimate	Actual capacity	Difference
1.			
2.			
3.			
4.			
5.			
6.			

B Measuring.



1ml



5ml



50ml



100ml



500ml

- How many drops of water are needed to fill a spoon?
- How many spoons of water would fill the egg cup?
- Graham wants to drink **500ml** of water. How many cups will he need to drink?
- How many millilitres are in **3** egg cups?
- How many drops of water are in the bottle of water?
- How many egg cups are needed to fill the cup?
- How many cups of water are needed to fill a 1 litre bottle?



- If you were to drink the recommended $1\frac{1}{2}$ litres of water a day, how many 500ml bottles of water would you need to drink?
- Alan has ten 500ml bottles of water in his fridge. How many litres of water does he have altogether?
- What fraction of a litre is the cup?



C The wrong measuring jugs

Wallis and Ian are making a surprise cake for their mother's birthday. They need to add **300ml** of milk but they only have jugs that measure **500ml** and **200ml**. Can you help them?

pair work



134

Estimate, compare, measure and record the capacity of a wide variety of objects using appropriate metric units (L, ml).

Strand: Measure
Strand Unit: Capacity



A Look at the picture and answer the questions.



1. Sarah-Jane pours each of her 4 friends a glass of cola. How much does each glass hold if there is nothing left in the bottle?
2. How many glasses of lemonade can they pour from the bottle?
3. How many more glasses of orange than glasses of cola can they pour?
4. How many glasses of drink could they pour altogether?
5. If you gave each person 2 glasses of drink, how many people could come to the party?
6. If only 3 people were at the party, how many glasses of drink could they have?



B Adding litres.

$$\begin{array}{r} 1. \quad 1 \text{ ml} \\ 2 \text{ 230} \\ + 1 \text{ 240} \end{array}$$

$$\begin{array}{r} 2. \quad 1 \text{ ml} \\ 4 \text{ 300} \\ + 3 \text{ 260} \end{array}$$

$$\begin{array}{r} 3. \quad 1 \text{ ml} \\ 5 \text{ 350} \\ + 2 \text{ 200} \end{array}$$

$$\begin{array}{r} 4. \quad 1 \text{ ml} \\ 6 \text{ 150} \\ + 3 \text{ 730} \end{array}$$

Example

$$\begin{array}{r} 1 \text{ ml} \\ 3 \text{ 736} \\ + 2 \text{ 444} \\ \hline 6 \text{ 180} \end{array}$$

$$\begin{array}{r} 5. \quad 1 \text{ ml} \\ 2 \text{ 650} \\ + 5 \text{ 250} \end{array}$$

$$\begin{array}{r} 6. \quad 1 \text{ ml} \\ 4 \text{ 860} \\ + 3 \text{ 140} \end{array}$$

$$\begin{array}{r} 7. \quad 1 \text{ ml} \\ 7 \text{ 544} \\ + 2 \text{ 644} \end{array}$$

$$\begin{array}{r} 8. \quad 1 \text{ ml} \\ 2 \text{ 940} \\ + 6 \text{ 260} \end{array}$$

$$\begin{array}{r} 9. \quad 1 \text{ ml} \\ 8 \text{ 912} \\ + 1 \text{ 001} \end{array}$$

C Add the following in your copy.

Remember to keep the litres under the litres and the millilitres under the millilitres. Make sure you put your numbers in the correct columns.

1. $2\text{l } 340\text{ml} + 4\text{l } 350\text{ml} = \underline{\hspace{2cm}}$

2. $6\text{l } 320\text{ml} + 4\text{l } 830\text{ml} = \underline{\hspace{2cm}}$

3. $3\text{l } 470\text{ml} + 5\text{l } 320\text{ml} = \underline{\hspace{2cm}}$

4. $5\text{l } 645\text{ml} + 2\text{l } 55\text{ml} = \underline{\hspace{2cm}}$

5. $6\text{l } 222\text{ml} + 2\text{l } 240\text{ml} = \underline{\hspace{2cm}}$

6. $2\text{l } 870\text{ml} + 3\text{l } 5\text{ml} = \underline{\hspace{2cm}}$



Objectives

225.1 Solve and compare practical tasks and problems involving the addition of capacity (L, ml).

Strand: Measure
Strand Unit: Capacity



A Add or subtract

$$\begin{array}{r} 1. \quad 1 \text{ ml} \\ 4 \ 485 \\ - 2 \ 240 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 1 \text{ ml} \\ 6 \ 540 \\ - 4 \ 350 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 1 \text{ ml} \\ 10 \ 350 \\ - 8 \ 200 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 1 \text{ ml} \\ 3 \ 642 \\ + 1 \ 721 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 1 \text{ ml} \\ 9 \ 358 \\ + 6 \ 439 \\ \hline \end{array}$$

$$6. \quad 5\text{ l } 342\text{ml} - 3\text{ l } 251\text{ml} = \underline{\hspace{2cm}} \quad 7. \quad 9\text{ l } 456\text{ml} - 5\text{ l } 148\text{ml} = \underline{\hspace{2cm}}$$

B A summer day

- Mum filled the paddling pool to **half way**. Then Tommy filled it to the top. He put **30 litres** in. **How many litres did it take to fill the pool?**
- Ciara jumped into the pool and **5 litres** of water splashed over the edges. **How much water was left in the pool?**
- Tommy ran inside to get a drink. He poured **150ml** of cordial into the jug and then filled the jug up to the top with **1 l 350ml** of water. **How much juice was in the jug?**
- Ciara poured herself a drink from the jug. Her glass held **250ml**. **How much was left in the jug?**
- Ciara filled a bucket with water to have a water fight. The bucket held **5 litres**. She poured **4 l 340ml** over Tommy. **How much was left in the bucket?**
- Tommy and Ciara decided to empty out the paddling pool using the bucket. **How many times did they have to fill the bucket?**

**C** Estimating with water.

- How many litres do you think it takes to:

(a) fill a bath _____	(c) brush your teeth _____
(b) flush the toilet _____	(d) take a shower _____
(e) wash up after dinner or run the dishwasher (choose one) _____	
- Approximately how many litres of water does a person use a day?
- How can you reduce the amount of water used when brushing your teeth?

pair work



Maths games to revise TABLES

- <https://www.topmarks.co.uk/maths-games/mental-maths-train>
- 'Hit the button 'play online tables game topmarks
- <https://www.multiplication.com/games/all-games>
- <http://www.sheppardsoftware.com/math.htm>

Maths Photos in my environment

.....all on my walks.

- 2D shapes
- 3D shapes
- lines> straight/curved/parallel/vertical/horizontal/oblique/slanting
- angles >right angles/acute angles/obtuse angles
- lines of symmetry.
- numbers
- clock>time
- **Check out the powerpoint.....for some more Mathematical pictures**

Send in your photos or draw some pictures of maths scenes!

If you double click on the slide below you will open the powerpoint presentation.

Maths Eyes 2

Use your Maths brain to find lots of Maths in your environment

This week you can organise a capacity

Maths trail

around your own house.

1. How much water does your kettle hold?
2. How many 1litre containers can you find in your fridge?

3. How many millilitres does a bottle of hand gel contain?
4. Are there any measurements on the saucepans in your kitchen?
5. Are the shower gel bottles more than or less than 50 millilitres?
6. Check out the hair shampoo and conditioner bottles. Do they both hold the same amount of liquid? Why?
7. Do you have an oil tank outside your house? If so, how much oil does it hold? Make sure you estimate first and compare.
8. How much petrol or diesel does your car hold?
9. Do you know how much a litre of oil or diesel is? If not can you find out?
10. Has the price of oil or diesel increased or decreased since the start of the Covid virus?

Don't forget to send in a photo of your Maths trail or/send in a photo of your answers to this Maths trail.



English

First Class = Rang a haon

Reading Zone Unit 22

Three Naughty Ostriches

[The Amazing Ostrich | San Diego Zoo Kids](#)

<https://kids.sandiegozoo.org/videos/amazing-ostrich>

[Ostrich facts for kids - Facts about ostrich for kids - Animal kingdom - Simply E-learn kids](#)

[Ostrich - National Geographic Kids](#)

<https://kids.nationalgeographic.com/animals/birds/ostrich/>

-
- ✓ Look at the words at the bottom of the page. If you don't them at first, try to work them out.
 - ✓ Do you know the meaning of those words? If not, find the meaning in the dictionary.
 - ✓ Read the story aloud.
 - ✓ Then choose 1 or 2 or 3 paragraphs.
 - ✓ Take note of the different characters. Are you going to use a different voice for each character?
 - ✓ Practise doing the voices for the **3 ostriches**.
Will the biggest ostrich have the loudest voice?
 - ✓ **Can you dramatise the next bit of the story.**
What will that police woman say to the ostriches?

- ✓ Do some self-assessment.
 - How was your accuracy?
 - How was your speed?
 - Did you pace your reading well?
 - How was your fluency?
 - How was your expression?
 - How did you rate yourself?...out of 10>
_ /10
- ✓ Now practise the paragraphs.. reading them out loud in 4 different places.
- ✓ Do another self-assessment.
- ✓ Have you noticed any improvement?
- ✓ Did your audience find it interesting?

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Peter and the Dragon

- ❖ Can you think of interesting words to describe the dragon?(words to describe eyes, skin, legs, toes, wings.....)
- ❖ What words can you think of could describe the character of a dragon?
- ❖ After you have read the story, think again of words to describe the dragon in this story!
- ❖

- ✓ Look at the words at the bottom of the page. If you don't them at first, try to work them out.
 - ✓ Do you know the meaning of those words? If not, find the meaning in the dictionary.
 - ✓ Read the story aloud.
 - ✓ Then choose 1 or 2 or 3 paragraphs.
 - ✓ Do some self assessment.
 - How was your accuracy?
 - How was your speed?
 - How was your fluency?
 - How was your expression?
 - How did you rate yourself?...out of 10> _/10
- ✓ Now practise the paragraphs.. reading them out loud in 4 different places.
- ✓ See the pictures of the story in your head.
- ✓ How confident does the dragon look?

- ✓ Show this emotion on your face as you read them.
- ✓ Have you got 2 different voices for Peter and the Dragon?
- ✓ Do another self assessment.
- ✓ Have you noticed any improvement?
- ✓ Did you make a little or a big improvement?

- ✓ What language are you using to assess yourself?
 - I was happy with my progress.
 - I read too fast.
 - I used really good expression.
 - I believe/ I think/I consider that I read at correct speed.
 - I used emotions in my voice as I was reading. (I spoke in a confident)
 - I engaged well with my audience.

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Rang a trí > Unit 23

Animals Growing and Changing

➤ life cycle of the butterfly> <https://www.youtube.com/watch?v=O1S8WzwLPIM>



➤ <https://www.natgeokids.com/ie/discover/animals/insects/butterfly-life-cycle/>

Now start practising your reading.

- ✓ Look at the words at the bottom of the page. If you don't them at first, try to work them out.
- ✓ Do you know the meaning of those words? If not, find the meaning in the dictionary.
- ✓ Read the story aloud.
- ✓ Then choose 1 or 2 or 3 paragraphs.
- ✓ Do some self assessment.
 - How was your accuracy?
 - How was your speed?
 - How was your fluency?
 - How was your expression?
 - How did you rate yourself?...out of 10>
_/10
- ✓ What language are you using to assess yourself?
 - I was happy with my progress.
 - I read too fast.
 - I used really good expression. Were you able to use the same expression when this story is all facts?

- I believe/ I think/I consider/ I feel..... that I read at correct speed.
 - I engaged with my audience.
-

Last week's extra challenges

1. What is the name of the space rocket that is being launched from the Kennedy Space Centre in Florida in the United States of America? [**Space x**]
2. What are the names of the two astronauts? [**Robert Behnken and Douglas Hurley**]
3. What is the name of the billionaire who owns the rocket?[**Elon Musk**]

Did you watch the spacecraft as it zoomed over the sky at the weekend?

It was very clear in the sky!

What about the little quiz?

for first, second and third classes



1. What do you call a baby lion?
[cub]
 2. What do you call a baby zebra?
[foal]
 3. There are 264 types of
monkeys. True or false? [True!
Tá sé fíor!]
 4. Apes are monkeys. True or
false? [It's false!]
 5. How many stomachs does an
ostrich have? [3 stomachs]
-

What score did you get?

.....

.....**AND FOR THIS WEEK'S QUIZ.....**



1. Who invented the telephone?
 2. How many kinds of grasshoppers are there in Ireland?
 3. What is measured in decibels?
 4. What is the biggest fish in the ocean?
 5. What is the name of the king who had donkey ears? (according to the old Irish story)
 6. What is the capital city of Switzerland?
 7. What word means the fear of spiders?
-

Last week's extra challenges

4. What is the name of the space rocket that is being launched from the Kennedy Space Centre in Florida in the United States of America? [**Space x**]
5. What are the names of the two astronauts? [**Robert Behnken and Douglas Hurley**]
6. What is the name of the billionaire who owns the rocket?[**Elon Musk**]

Did you watch the spacecraft as it zoomed over the sky at the weekend?

It was very clear in the sky!

This week's extra challenges

- I. What do you call a fear of viruses?***
- II. The month of June is named after the queen of the Roman gods. What is her name?***
- III. There are 2848 townlands in County Monaghan. True or False? Fíor nó bréagach?***