



HOME LEARNING

YEAR 5

14/07/2020

Morning Message

Meeting ID: 751 802 3376

Good morning Year 5,

In English today you will be writing the letter for inside the bottle, you are welcome to magpie some of my ideas below. In maths you will be doing your final lesson of the unit which focussing on problem solving questions about converting units of measure. Happy learning 😊

Yesterday's anagram

ocean

Today's anagram

livion

Have a lovely day,
Ms Gayer and Mr McCann

This week's Pictures



Writing

Tuesday: to write a message in a bottle

Here is a message that I might write from the plan we did yesterday:

June 9th 1873

Help help help! Disaster has struck. Rumours of a giant squid in these parts are to be believed - we are being attacked.

Captain James Moore here of the SS Frederica sailing ship. We are sailing from the West Indies to Britain carrying a precious cargo for delivery to Liverpool docks. A giant squid rose up from the depths of the ocean and attacked the vessel. It has thrown some of my crew into the sea. 'Tis a huge, snarling beast with at least eight tentacles and teeth as sharp as glass. We are fighting back bravely but I do not know if we will defeat the creature. It has managed to get onto the boat now and is laying waste to all around. I fear we are doomed. Please send help as quick as possible. We are 1 day North East of Jamaica. Hurry – there is little time! This is NOT a hoax. Repeat, this is not a hoax

Task: write your message in a bottle. Use the plan from yesterday.

Reading

Day 2

Use a dictionary to write definitions and sentences for the words you didn't understand or underlined. If you think you know all the words pick the trickier words and prove that you know them by defining them and use them in a sentence. Make sure to get an adult to check that you are right.

Challenging words: reluctantly, mingled, squirming

- 1 When she felt the buzzer gently vibrating on her wrist, Lily put her hand up and asked to be excused from the lesson. Monsieur le Roux was displeased at the interruption but reluctantly gave his permission. Lily left the room swiftly and made her way to the nearest quiet place.
- 5 "What?" she whispered to her watch, trying not to inhale too deeply. The cleaning fluids on the shelves around her mingled with the musty aroma from the damp mops.
- 8 "It's Nick," said her watch. "Ahmed cracked the code in the message we found. It's definitely tonight. We think they're going to try to rob the jewellers. But we don't know who and we don't know how."
- 11 "I'm on my way," said Lily. Minutes later, she left the building via the basement so no-one would ask what she thought she was doing.
- 13 Back at headquarters, Lily looked at the message that Ahmed had decoded. "Alright," she said. "We may not know how or who, so let's think about what we *do* know."
- 16 "Well," Nick screwed up his face as he tried to remember everything he had found now. "Tonight is their annual party. When I say 'party', I expect it's lots of overweight old men in suits standing around and being polite to each other." He made a face. "But that means that the jeweller's doors will be open and no-matter how good the doormen are, when it gets busy, they can't always see who's squirming in around the edge of a crowd."
- 22 "Excellent." announced Lily. "If the robbers can get in that way, then so can we. And if we're caught, we'll say we were testing their security."
- 24 Ahmed gulped and nodded. He preferred to solve problems sitting at his computer. But if he was needed at the jeweller's he'd be there. He wouldn't let his team down.
- 27 "What else do we know?" asked Lily, turning to face him.
- 28 "They've had a suspicious visitor," he offered. "I sneaked a look at their CCTV recordings earlier. There was a customer wearing a long black coat roaming around the stockroom. That's odd in itself. But the visitor was particularly odd. He kept limping for a bit, then he'd walk normally, then he'd start limping again."
- 33 "Perhaps he only limps when his leg gets tired," suggested Lily.
- 34 "Yes, but that wouldn't explain why his limp swapped legs," replied Ahmed. "Anyway, not only did he have this strange limp, but he wore a hat with a very wide brim and whenever he was in sight of a camera, he looked down. His face was never caught on camera."

Maths

Lesson 10 – problem solving

In this lesson, we will apply our knowledge of converting units to solving problems. These will include a range of problem types, including those that involve applying multiplication and/or division facts to solve scaling problems.

Key vocabulary: unit, measure, quantity, convert, centimetre, metre, millilitre, litre, gram, kilogram, ounce, pound, pint, inch, yard, per

We will be converting between different units of measurement, so remember to check all the information and double check which unit your answer should be in!

We're also going to need to use a fair amount of multiplication and division. So get those brains ready!

Discover

Oh dear! My scales only measure in grams!

I am going to make enough apple crumble for 5 people.

Lee

Reena

0.0g

1 oz is approximately 28 grams

APPLE CRUMBLE
(Serves 4 people)

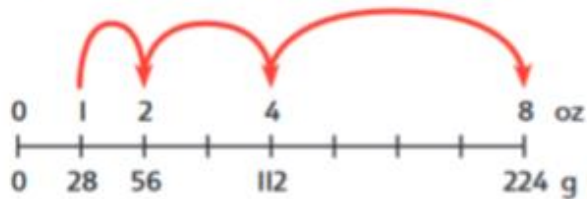
Ingredients
4 cooking apples
2 oz oats
4 oz brown sugar
5 oz plain flour
4 oz butter

- 1 a) How can Reena measure the ingredients using her scales?
- b) What quantities should Lee use to make enough apple crumble for 5 people?

Share

- a) Reena needs to convert from ounces (oz) to grams (g).

$$5 \text{ oz} = 4 \text{ oz} + 1 \text{ oz} = 112 \text{ g} + 28 \text{ g} = 140 \text{ g}$$



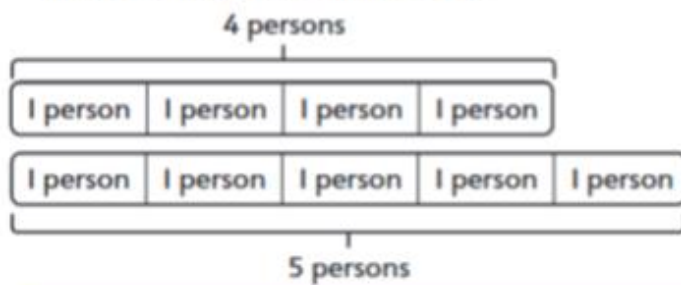
Reena can use the scales to measure these amounts:

$$\begin{array}{ll} 2 \text{ oz} = 56 \text{ g oats} & 4 \text{ oz} = 112 \text{ g brown sugar} \\ 4 \text{ oz} = 112 \text{ g butter} & 5 \text{ oz} = 140 \text{ g plain flour} \end{array}$$

I could multiply each number by 28, but I can see a way to use doubling facts to help me multiply more quickly!



- b) The recipe is for 4 people. Lee can divide each ingredient by 4 and multiply by 5.



I can divide by 4 to find the quantities for one person. I will use this to alter the recipe for 5 people.



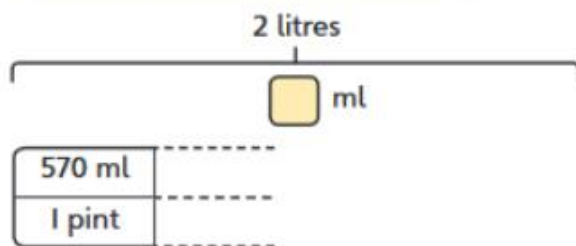
Ingredient	÷ 4 (one person)	× 5 (five people)
4 cooking apples	$4 \div 4 = 1$	$1 \times 5 = 5$ cooking apples
56 g oats	$56 \div 4 = 14 \text{ g}$	$14 \times 5 = 70 \text{ g oats}$
112 g brown sugar	$112 \div 4 = 28 \text{ g}$	$28 \times 5 = 140 \text{ g brown sugar}$
112 g butter	$112 \div 4 = 28 \text{ g}$	$28 \times 5 = 140 \text{ g butter}$
140 g plain flour	$140 \div 4 = 35 \text{ g}$	$35 \times 5 = 175 \text{ g plain flour}$

Think together

1 Jamie wants to fill a 2 litre jug with milk.

a) How many cartons of milk does she need to open to pour into the jug?

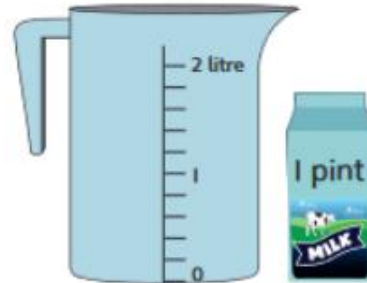
1 pint is approximately 570 ml.



Jamie will need to open cartons of milk.

b) How much milk will Jamie have left over?

Jamie will have ml left over.



2 Danny is making a fruit pie.

He wants to serve it at 17:10.

Read the instructions. What is the latest time he should start preparing it?



Fruit pie

Preparation time:
25 minutes

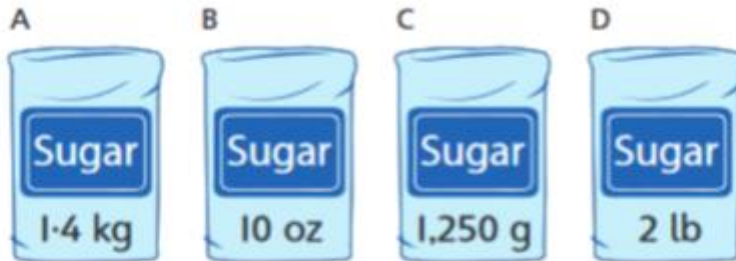
Cooking time:
55 minutes

Serve hot!



CHALLENGE

3 These bags of sugar are all the same price.



1 ounce (oz) is approximately 28 g.
1 pound (lb) is approximately 0.45 kg.

Which one is the best value?

Explain how to find the answer.

It would be easier if all the bags were in the same unit of measurement.



I know how to convert all these units into grams. I could then compare them.



Now complete pages 138–140 in your power maths books.

Thursday: Go on the Mathletics website to complete the tasks that have been set.

<https://www.mathletics.com/uk/>

Weekly Spellings

This week we will be learning spellings for the year 5 list of words to know. Please practise learning the words every day by putting the words in sentences and get an adult to test you on Friday.

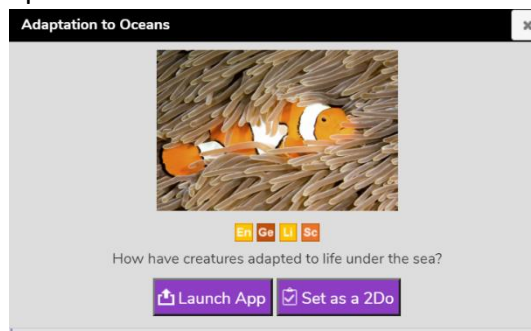
e.g. It was apparent by the look on the teacher's face.

pronunciation
apparent
explanation
queue
appreciate
familiar
recognise
attached
foreign
recommend
available
forty
relevant
average
frequently
restaurant
awkward
government
rhyme
bargain

Foundation Work (for the week)

Topic– due Friday at 12pm

This week we are going to be researching how different creatures have adapted to life under the sea. When you open the task, click on the 'more' button which looks like a book to find out a bit more about the task. You will need to consider things such as what physical changes do the animals have to help them live under water e.g. over the years fish have adapted colour patterns to help them avoid becoming someone else's dinner (camouflage). You could also research what impact global warming is having on the ocean and what adaptations creatures have started to make because of this change.



Diary

Write a diary of what work and activities you did today. Remember to include your emotions and opinions.