# <u>Discussion Problems</u> Step 4: Imperial Units

## **National Curriculum Objectives:**

Mathematics Year 5: (5M6) <u>Understand and use approximate equivalences between</u> metric units and common imperial units such as inches, pounds and pints

#### About this resource:

This resource has been designed for pupils who understand the concepts within this step. It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

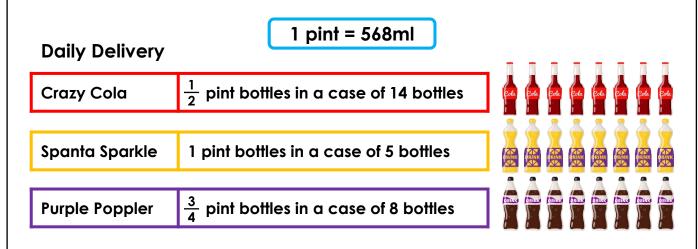
More Year 5 Converting Units resources.

Did you like this resource? Don't forget to review it on our website.



# **Imperial Units**

1. A shop orders 3 different flavours of drinks to stock up their fridge. Each flavour comes in a different size bottle and case.

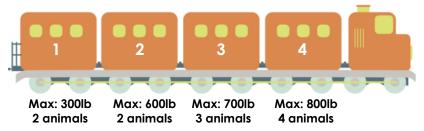


The shop orders all three flavours for 5 days. They need 15L of each flavour. Investigate the difference between what they received and what they needed.

2. Convert the animals' weights from kg to lbs.



The zoo is trying to transport the animals to another zoo. How could the animals be transported given the weight restrictions for each carriage?

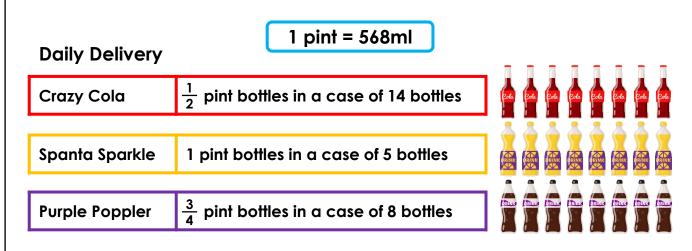


DP

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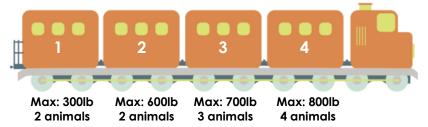
DP

Crazy Cola: 19,880ml (19.88L). 4,880ml (4.88L) too much. Spanta Sparkle: 14,200ml (14.2L). 800ml (0.8L) too little. Purple Poppler: 17,040ml (17.04L). 2,040ml (2.04L) too much.

2. Convert the animals' weights from kg to lbs.



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Various possible answers, for example:

1 = Panda, Hyena 2 = Gorilla, Chimpanzee

3 = Grizzly Bear, Kangaroo 4 = Zebra, Koala

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