

Discussion Problems

Step 8: Add and Subtract Capacities

National Curriculum Objectives:

Mathematics Year 3: (3M9d) [Add and subtract volume/capacity \(l/ml\)](#)

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 3 Mass and Capacity](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.







Add and Subtract Capacities

1. You have been given a mission to remove sugary drinks from the supermarket. How many ways can you find to collect the bottles so your checkout total is 4L and 400ml?

 1L and 450ml	 800ml	 250ml	1L and 300ml 
900ml 	 350ml	 1L and 100ml	 150ml
 450ml	900ml 	 150ml	 450ml
 700ml	 250ml	 650ml	CHECKOUT TOTAL 4L and 400ml

DP

2. Mag the witch has put too much magic potion in her cauldron. She has 4L and 500ml but only needed 2L and 700ml. She has the bottles below to remove the potion. What different ways could she remove the potion so she has 2L and 700ml left?

- A. 
600ml
- B. 
350ml
- C. 
1L and 500ml
- D. 
250ml
- E. 
50ml
- F. 
100ml

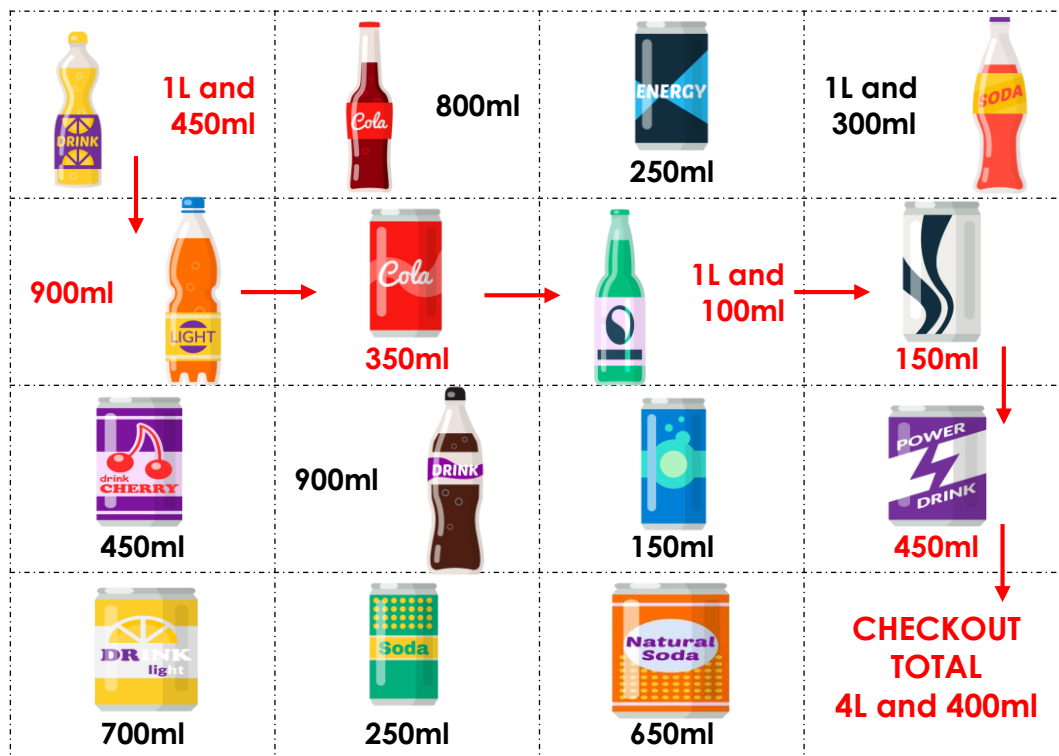


DP

Add and Subtract Capacities







1. You have been given a mission to remove sugary drinks from the supermarket. How many ways can you find to collect the bottles so your checkout total is 4L and 400ml?

Various answers, for example:



DP

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600ml
- B. 
350ml
- C. 
1L and 500ml
- D. 
250ml
- E. 
50ml
- F. 
100ml



Various answers, for example: C + D + E = 1,800; A + A + A = 1,800

DP