

Fruit

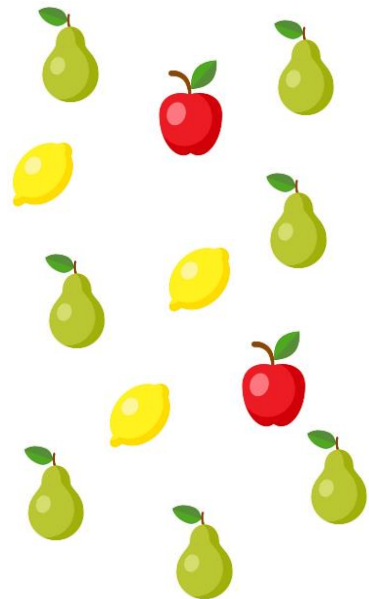
Written by Liz Gibbs

The Busy Lizzie Maths Library

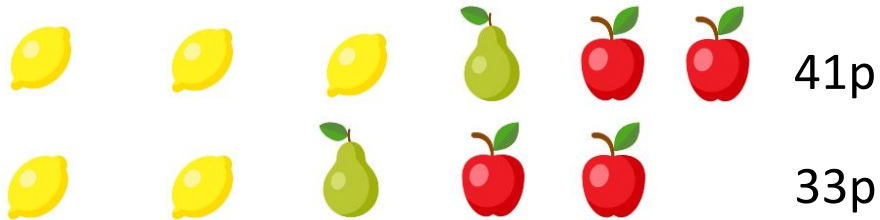
Fruit

7 pears and 1 lemon cost 57p.
3 lemons, 1 pear and 2 apples cost 41p.
1 pear, 2 apples and 2 lemons cost 33p.
How much does each piece of fruit cost?

First read the question and re-read.
Make a note of the amounts and costs.



Fruit



Which two sentences do we see here in a picture form?

7 pears and 1 lemon cost 57p.

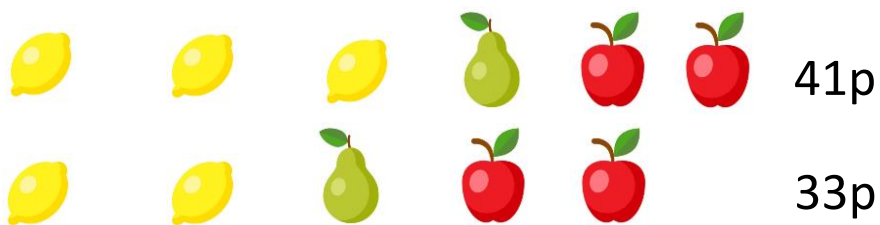
3 lemons, 1 pear and 2 apples cost 41p.

1 pear, 2 apples and 2 lemons cost 33p.

How much does each piece of fruit cost?

What do you notice? What is the same? What is different?

Fruit



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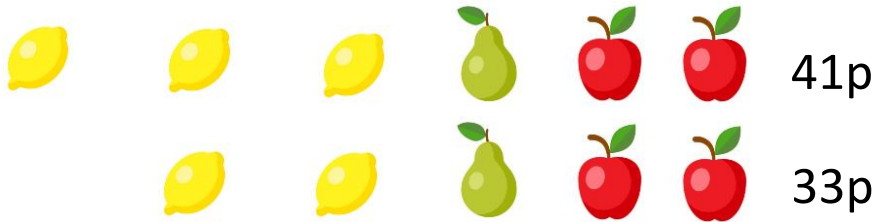
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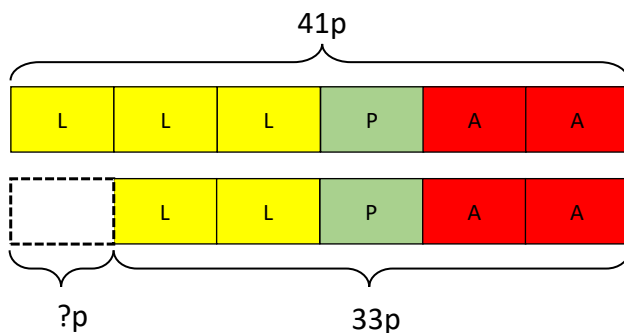
Fruit



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 How much does each piece of fruit cost?

What mathematics do you need for the first step to solving this problem?

Fruit



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 How much does each piece of fruit cost?

$44p - 33p =$ the price of one lemon.
 $44p - 33p = 8p$

Once we have this piece of information, we can reason and solve the problem.

7 pears and 1 lemon cost 57p
 7 pears = $57p - 1$ lemon
 7 pears = $57p - 8p$
 7 pears = 49p
 $\therefore 1$ pear = 7p

If a lemon is worth 8p and a pear worth 7p. We can work out the cost of the apples.

An apple is worth 5p