

Whitney says,

When you multiply a number with 2 decimal places by an integer, the answer will always have more than 2 decimal places.



Do you agree?
Explain why.

Fill in the blanks

3	•	4	5	
×				
0	•	3	0	
	•	4	0	
1	•	0	0	
	•			

Chocolate eggs can be bought in packs of 1, 6 or 8

What is the cheapest way for Dexter to buy 25 chocolate eggs?



1 chocolate egg
52p



6 chocolate eggs
£2.85



8 chocolate eggs
£4

Amrit and his friends are trying to decide the cheapest way to buy 28 cans of soft drink for his birthday party.

4 pack	6 pack
£2.19	£2.95

I think we should buy five of the 6 packs.



Devinder

I think we should buy seven of the 4 packs.



Ben

I think we should buy four of the 6 packs and one of the 4 packs.



Morgan

Whose advice should he follow in order to buy the cans of drink for the cheapest price?

Find two decimal numbers that add together to make one,

e.g. $0.44 + 0.56 = 1$

Multiply each of these decimal numbers by any whole number lower than 10, e.g.

$0.44 \times 4 = 1.76$

$0.56 \times 4 = 2.24$

Add the two products together. What do you notice?

Investigate if the same thing will happen with all other decimals pairs that add together to make one. Explain why you think this happens?