

3.2.21

LO: Percentage increases and decreases

Please use the **bar model** method to calculate these answers, show and share your workings and remember the units of measure in your answer (which should be displayed clearly).

Korma	Madras	Vindaloo
1) A fridge costs £200. In a sale, there is 10% off. How much does the fridge cost now?	1) A microwave costs £120. In a sale, there is 30% off. How much does it cost now?	1) A DVD player costs £45. In a sale, there is 70% off. How much does it cost now?
2) A snake measures 120cm. It grows by 20%. How long is it now?	2) A man weighs 80kg. He puts on 20% of his original weight. How much does he now weigh?	2) A race course is 2.7km. As a punishment I have to run an extra 40%. How far do I now have to run?
3) I have £900. I put it in the bank and get 10% interest added – how much do I now have in my account?)	3) I have £980 in the bank and get 5% interest added. How much do I now have?	3) I have £1080 in the bank and get 3% interest added. How much do I now have?
4) A sausage is 30cm long. I eat 30% of it. How much sausage is left?	4) A cola bottle holds 2000 ml. I drink 60% of it. How much is now in the bottle?	4) A tanker holds 5000 gallons of oil. It delivers 35% to its first customer. It then delivers 15% of what is left to its next customer. How much is left in the tanker?

Extension Question

Frozen food aisle

All the items in this aisle should have a 22% increase on pizzas and chicken but a decrease of 34% on the rest. Find out the new price for each item.






£12.00
£4.20
£2.50
£1.22






£2.50
£1.00
£2.50
£2.40

What can you buy to get as close as you can to a total of £25?