

At the shops

CORNFLAKES 95p
 TEA BAGS 90p
 POTATOES 55p
 CARROTS 40p
 BUTTER 65p
 BISCUITS 75p



The supermarket window shows the prices of items some time ago. Since then, prices have gone up by 20%. We can find the increase in price and the new price like this:

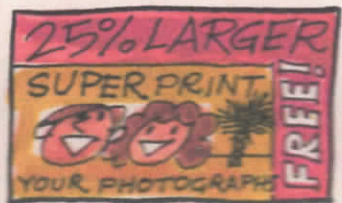


$$\begin{aligned} \text{Increase in price} &= 20\% \text{ of } 95\text{p} \\ &= \frac{1}{5} \text{ of } 95\text{p} \\ &= 19\text{p} \\ \text{New price} &= 95\text{p} + 19\text{p} \\ &= \text{£}1.14 \end{aligned}$$

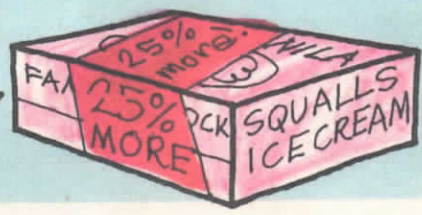
$$\begin{array}{r} 19 \\ 5 \overline{) 95} \\ \underline{50} \\ 45 \\ \underline{45} \\ 0 \end{array}$$

For each of the other items, find (a) the increase in price and (b) the new price.

Discuss these with your teacher:



SPECIAL OFFERS



- These labels show the percentage increases in weight or volume.
 - The choco used to weigh 50 g. Find its new weight.
 - The lemonade bottle used to contain 1 litre. Find its new volume.
 - The orange juice bottle used to contain 1 litre. Find its new volume.
 - Before the special offer, the sweets weighed 250 g. What is the new weight?
 - The ice-cream tub usually holds 500 ml. Find its new volume.

Ask your teacher what to do next.