

Percentages with a Calculator

Calculate 37% of £480	The price of a car increases by 13%. If its original price was £9200, what is its new price?	A toy which costs £26.50 is reduced by 22% in a sale. What is its sale price?	The price of a coat increases from £75 to £85. Calculate the percentage change.
Convert to a decimal: $37\% = \frac{37}{100} = 0.37$ $0.37 \times £480 = \text{£}177.60$	Find the multiplier for 13% increase: $\frac{100 + 13}{100} = 1.13$ $1.13 \times £9200 = \text{£}10396$	Find the multiplier for 22% decrease: $\frac{100 - 22}{100} = 0.78$ $0.78 \times £26.50 = \text{£}20.67$	Find the actual change: $£85 - £75 = £10$ Calculate change ÷ original value $\frac{10}{75} \times 100 = 13.3\%$
Calculate 64% of £7350	The price of a TV increases by 18%. If its original price was £475, what is its new price?	A phone which costs £280 is reduced by 16% in a sale. What is its sale price?	The price of a book increases from £4.50 to £5. Calculate the percentage change.
0.64×7350 $= \text{£}4704$	1.18×475 $= \text{£}560.50$	0.84×280 $= \text{£}235.20$	$\frac{0.50}{4.50} \times 100$ $= 11.1\%$
Calculate 19% of £295	The price of a watch increases by 7%. If its original price was £575, what is its new price?	A bike which costs £1375 is reduced by 9% in a sale. What is its sale price?	The price of a dress decreases from £52 to £45. Calculate the percentage change.
0.19×295 $= \text{£}56.05$	1.07×575 $= \text{£}615.25$	0.91×1375 $= \text{£}1251.25$	$\frac{7}{52} \times 100$ $= 13.5\%$
Calculate 7.5% of £1750	The price of a meal increases by 45%. If its original price was £17, what is its new price?	A plant which costs £16.50 is reduced by 33% in a sale. What is its sale price?	The price of a laptop decreases from £490 to £465. Calculate the percentage change.
0.075×1750 $= \text{£}131.25$	1.45×17 $= \text{£}24.65$	0.67×16.50 $= \text{£}11.06$	$\frac{25}{490} \times 100$ $= 5.1\%$