

Sale

A shop had a sale. All prices were reduced by 15%



A pair of shoes cost **£38.25** in the sale.

What price were the shoes before the sale?

Show your working.

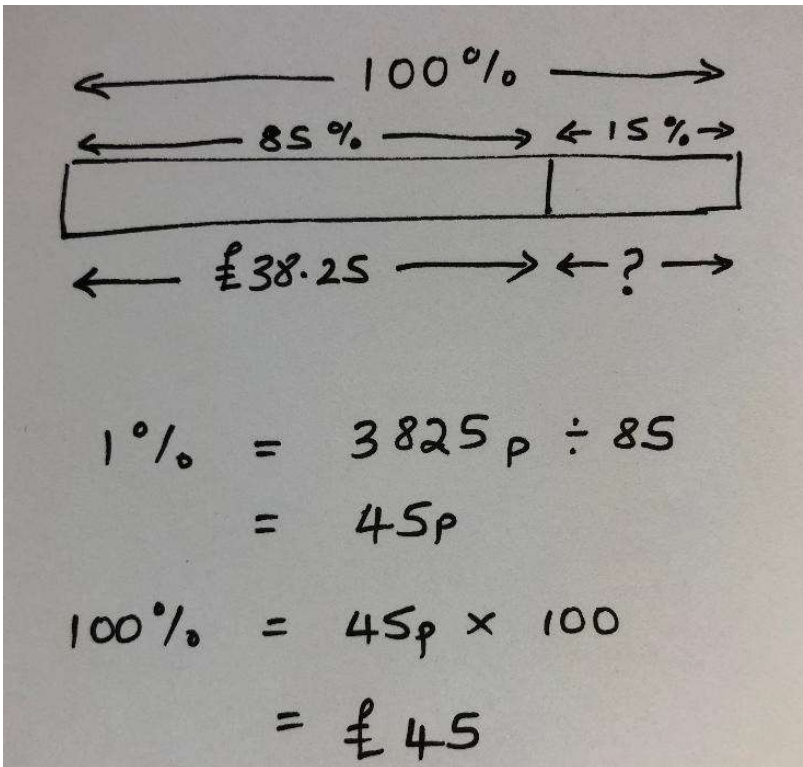


Diagram illustrating the sale calculation:

A horizontal bar is divided into two sections. Above the bar, a double-headed arrow spans the entire length and is labeled 100% . Below the bar, a double-headed arrow spans the left section and is labeled 85% . Another double-headed arrow spans the right section and is labeled 15% . Below the bar, a double-headed arrow spans the entire length and is labeled $£38.25$. A second double-headed arrow spans the right section and is labeled $?$.

Calculations:

$$1\% = 3825 \text{ p} \div 85$$

$$= 45 \text{ p}$$

$$100\% = 45 \text{ p} \times 100$$

$$= £45$$
Your turn:

.1.

A shop had a sale. All prices were reduced by 20%

A pair of shoes cost £46.40 in the sale

What price were the shoes before the sale?

.2.

A shop had a sale. All prices were reduced by 33%

A pair of shoes cost £51.25 in the sale

What price were the shoes before the sale?

Round your answer to the nearest penny

