

Finding the Original Value **Answers**

1. A shop offers a 25% discount in a sale. A dress has a sale price of £33.75. What was the original price?

$$\frac{33.75}{0.75} = \text{£45}$$

2. The price of a laptop is £345 after 20% VAT is added. What was the price before VAT was added?

$$\frac{345}{1.20} = \text{£287.50}$$

3. Charlotte works in a local pet shop. She was told to increase all prices by 5%. She increased a price to £42. What was the original price?

$$\frac{42}{1.05} = \text{£40}$$

4. A car depreciates in value by 20% during its first year. Its value now is £7850. What was its original price?

$$\frac{7850}{0.8} = \text{£9812.50}$$

5. The price of a bike increases by 12% to £168. What was the price of the bike before the increase?

$$\frac{168}{1.12} = \text{£150}$$

6. The total price for a holiday, including a 15% discount, was £799. What was the price of the holiday before the discount?

$$\frac{799}{0.85} = \text{£940}$$

7. A DVD player sells for £87 after a 20% increase in the store price. What was the original store price?

$$\frac{87}{1.20} = \text{£72.50}$$

8. The price of a train journey increased by 4%. The new fare was £23.40. What was the price of the train fare before the increase?

$$\frac{23.40}{1.04} = \text{£22.50}$$

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