Reverse Percentages **Answers**

Udit looks at 6 items that are in the sale. He makes a note of the percentage decrease and the price. For each of questions below, calculate the original price.

	Percentage Decrease	Sale Price (£)	Original Price (£)
1.	10	49.50	**49.5 ÷ 0.9 = 55**
2.	5	475	**475 ÷ 0.95 = 500**
3.	20	75	**75 ÷ 0.8 = 93.75**
4.	45	247.50	**247.5 ÷ 0.55 = 450**
5.	22	780	**780 ÷ 0.78 = 1000**
6.	1.5	37.43	**37.43 ÷ 0.985 = 38**

7. Carl's annual salary increased by 2% to £32 000. Calculate his salary before the increase.

    32 000 ÷ 1.02 = £31 372.55

8. Amie has £1030 in her bank after an interest payment of 3%. Calculate how much money she originally had in her account.

    1030 ÷ 1.03 = £1000

9. A mobile phone provider increases the price of its monthly gold package by 6% to £56.18. Calculate the cost of the package before the increase.

    56.18 ÷ 1.06 = £53

10. Tom asks for the bill in a restaurant. The bill is £71.99 and includes 15% service charge. Calculate the cost of the service charge.

    71.99 ÷ 1.15 = £62.60

    71.99 − 62.60 = £9.39

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