PERCENTAGE MULTIPLIERS

Task 1

1) **Write the multiplier for 38%**
2) **Write the multiplier for 12%**
3) **Write the multiplier for 85%**
4) **Write the multiplier for 100%**
5) **Write the multiplier for 60%**
6) **Write the multiplier for 25%**
7) **Write the multiplier for 75%**
8) **Write the multiplier for 5%**
9) **Write the multiplier for 10%**
10) **Write the multiplier for 20%**
11) **Write the multiplier for 99%**
12) **Write the multiplier for 1%**
13) **Write the multiplier for 11.5%**
14) **Write the multiplier for 2.5%**
15) **Write the multiplier for 3.25%**

Task 2

16) **Work out the multiplier to increase by 15%**
17) **Work out the multiplier to increase by 20%**
18) **Work out the multiplier to increase by 50%**
19) **Work out the multiplier to increase by 5%**
20) **Work out the multiplier to increase by 80%**
21) **Work out the multiplier to increase by 2%**
22) **Work out the multiplier to increase by 67%**
23) **Work out the multiplier to increase by 100%**
24) **Work out the multiplier to increase by 0.5%**
25) **Work out the multiplier to increase by 33%**
26) **Work out the multiplier to increase by 60%**
27) **Work out the multiplier to increase by 1.5%**
28) **Work out the multiplier to increase by 200%**
29) **Work out the multiplier to increase by 13.5%**
30) **Work out the multiplier to increase by 0.75%**

Task 3

31) Work out the multiplier to decrease by 15%

32) Work out the multiplier to decrease by 25%

33) Work out the multiplier to decrease by 40%

34) Work out the multiplier to decrease by 60%

35) Work out the multiplier to decrease by 10%

36) Work out the multiplier to decrease by 46%

37) Work out the multiplier to decrease by 5%

38) Work out the multiplier to decrease by 1%

39) Work out the multiplier to decrease by 0.5%

40) Work out the multiplier to decrease by 33%

41) Work out the multiplier to decrease by 70%

42) Work out the multiplier to decrease by 90%

43) Work out the multiplier to decrease by 21.5%

44) Work out the multiplier to decrease by 4.35%

45) Work out the multiplier to decrease by 100%

Task 4

46) A coat costs £80. The cost is reduced by 25%. What is the sale price?

47) A bike costs £300. The price increases by 10%. What is the new price?

48) A TV costs £500. The cost is reduced by 15%. What is the new price?

49) A computer costs £900. The price increases by 20%. What is the new price?

50) A bag was £40. It is reduced by 10%, then another 20%. What is the final price?

51) A phone costs £600. A 25% discount is applied, then 5% VAT is added to the discounted price. What is the final price?

52) A sofa costs £1000. It goes up by 15%, then down by 10%. What is the final price?

53) A concert ticket costs £50. There's a 20% discount for students. A 10% booking fee is then added to the discounted price. What is the final ticket price for a student?

54) A holiday package is £1200. The package increases by 5%, then decreases by 10%. What is the final price of the holiday package?

55) A printer costs £250. The cost is reduced by 12%, and a £20 voucher is then applied to the discounted price. What is the final price of the printer?

Challenge

56) A product price is increased by 10%, then decreased by 10%. Is the final price the same as the original? Justify your answer.

57) A company makes £50,000 in revenue. Costs rise by 8%, and profits fall by 12%. If the original profit was 30% of revenue, what is the new profit?

58) A £2000 investment grows by 12% in year one, 10% in year two, and x% in year three. If the total value after three years is £2661.12, work out the value of x.