

As an investment consultant, answer each customer's question below, taking care over whether they are asking for how much interest they will earn or how much they will have in total. Give your answers correct to the nearest penny.

**A** How much will I have if I invest £100 for two years at 2% interest each year?

**B** How much will I have after two years if I invest £150 at 12% interest per year?

**C** How much interest will I earn over three years if I invest £500 at 9% per annum?

**D** How much money will I gain after four years if I get 10% per annum on £1000?

**E** What is the interest on £1500 invested for three years with 7% interest per annum?

**F** If I invest £2000, how much money will I have after three years if I earn 4% per annum?

**G** What will £5200 earn over four years if it is invested in an account giving 5% per annum?

**H** How much will be in my 7% interest account if I leave £120 in there for two years?

**I** If I invest £550 in an 8% interest per year account, how much will I have after three years?

**J** How much interest will I get if I invest £2100 for four years at 6% interest per year?

**Answers**

A	total money:	$100 \times 1.02^2 = \text{£}104.04$	
B	total money:	$150 \times 1.12^2 = \text{£}188.16$	
C	interest:	$500 \times 1.09^3 = \text{£}647.51$	$647.51 - 500 = \text{£}147.51$
D	interest:	$1000 \times 1.1^4 = \text{£}1461.10$	$1461.10 - 1000 = \text{£}461.10$
E	interest:	$1500 \times 1.07^3 = \text{£}1837.56$	$1837.56 - 1500 = \text{£}337.56$
F	total money:	$2000 \times 1.04^3 = \text{£}2249.73$	
G	interest:	$5200 \times 1.05^4 = \text{£}6320.63$	$6320.63 - 5200 = \text{£}1120.63$
H	total money:	$120 \times 1.07^2 = \text{£}137.39$	
I	total money:	$550 \times 1.08^3 = \text{£}692.84$	
J	interest:	$2100 \times 1.06^4 = \text{£}2651.20$	$2651.20 - 2100 = \text{£}551.20$