

Compound Interest and Depreciation *fluency*



Compound interest, per year. Find the value after the time given.

1 £500 at 4%, 2 years

2 £1000 at 3%, 2 years

3 £2000 at 5%, 3 years

4 £800 at 10%, 2 years

5 £1500 at 2%, 3 years

6 £400 at 6%, 2 years



The value goes down by the percentage each year. Find the value after the time given.

7 £8000 at 15%, 2 years

8 £12 000 at 20%, 3 years

9 £500 at 10%, 2 years

10 £2500 at 4%, 3 years

11 £900 at 30%, 2 years

12 £16 000 at 25%, 2 years



Compound interest, per year. Give your answer to the nearest penny.

13 £1200 at 3%, 5 years

14 £750 at 4%, 6 years

15 £3000 at 2%, 10 years

16 £5000 at 6%, 4 years

17 £250 at 8%, 7 years

18 £10 000 at 1%, 12 years



Give your answer to the nearest penny

19 £600, up 2.5%, 4 years

20 £4000, down 12.5%, 3 years

21 £1800, up 1.8%, 5 years

22 £950, down 7.5%, 4 years

23 £20 000, up 3.75%, 6 years

24 £360, down 0.5%, 10 years



How many whole years until the value first goes past the amount?

25 £1000, up 5%, over £1300

26 £2000, up 3%, over £2400

27 £500, up 8%, over £1000

28 £1000, down 15%, under £500

29 £800, down 20%, under £400

30 £1500, up 2.5%, over £1800