

m3 = 25 days to go!

5 Male and female care assistants work in a nursing home.

Some can work weekdays only, some can work weekends only and some can work both.

(a) Complete the two-way table below.

	Weekdays only	Weekends only	Both	Total
Male	1	5	2	8
Female	2	3	8	13
Total	3	8	10	= 21 ← add

[2]

because $3 + 8 + 10 = 21$

(b) How many male care assistants can work on weekends?

5 can work only on weekend
2 can work both

Answer 7 [1]

16 Best Bank offers a 3 year investment account with a fixed compound interest rate of 1.75% per annum.

Mr Lucas invests £8000 in this account.

What is the value of his investment at the end of the 3 year period?

8000

1.75% for 3 year.
multiplying factor 1.0175

$$8000 \times 1.0175 = 8140 \quad \text{at end of 1st year}$$

$$8000 \times 1.0175^2 = 8282.45 \quad \text{at end of 2nd year}$$

$$8000 \times 1.0175^3 = 8427.39 \quad \text{2 decimal places money.}$$

Answer £ 8427.39 [4]

or you could do this in 3 stages.

or just one big clever calculation

$$8000 \times 1.0175^3$$

↑
multiplying factor