For Examiner's Use

1 A bookshop sold a total of 2750 books in January.

(a) The ratio hardback books sold : paperback books sold was 4 : 7.
Calculate how many paperback books were sold.

$\frac{7}{4+7} \times 2750 = \frac{7}{11} \times 2750$

$= 1750$

Answer(a) 1750 [2]

(b) 24% of the 2750 books sold were non-fiction.
Calculate how many non-fiction books were sold.

$\frac{24}{100} \times 2750 = 660$

Answer(b) 660 [2]

(c) 330 cookery books were sold.
Write 330 as a fraction of 2750 in its lowest terms.

$\frac{330}{2750} = \frac{330 \div 110}{2750 \div 110}$

$= \frac{3}{25}$

Answer(c) $\frac{3}{25}$ [2]

(d) In February, the bookshop sold 14% more than the 2750 books sold in January.
Calculate the number of books sold in February.

$\frac{14}{100} \times 2750 = 385$

$2750 + 385 = 3135$

Answer(d) 3135 [3]

(e) The total value of the books sold in January was \$9480 correct to the nearest 10 dollars.
Write down the lower bound for this amount.

lower bound upper bound

\$9475 $\leq$ \$9480 $<$ \$9485

Answer(e) \$ 9475 [1]

(f) 35000 books were sold in a year.
Write this number in standard form.

$35000 = 3.5 \times 10^4$

Answer(f) 3.5×10^4 [1]