

S1 Level 3 Formal Homework

Non Calculator (all working must be shown)

- Calculate:- (marks will not be given if working is not shown for d, g and h)
(a) 37×1000 (b) 200×38 (c) 3.9×10 (d) 8.1×300
(e) $140.5 \div 100$ (f) $72900 \div 1000$ (g) $24 \div 400$ (h) $62.1 \div 60$
- Calculate:-
(a) $45 - 3 \times 5$ (b) $105 \div (1 + 4)$ (c) $7 + 10 \times 4 - 26$
- Round **each** number below to the nearest
(i) ten; (ii) hundred; (iii) thousand:-
(a) 4871 (b) 15728 (c) 998799
- Round **each** number below to
(i) 1 decimal place; (ii) 2 decimal places:-
(a) 2.7814 (b) 0.1154 (c) 23.9781 (d) 0.9999
- Round **each** number below to
(i) 1 significant figure; (ii) 2 significant figures:-
(a) 24560 (b) 0.00865 (c) 3.998
- What is the cost, in £, of a box of 25 rulers if one ruler costs 48 pence?
- 48 workers in a factory share a lottery win of £9990.
By rounding first, estimate the amount each worker will receive.
- Cans of Coke are sold in packs of 6 for £2.70 or packs of 8 for £3.36.
Which is better value for money?
Give a reason for your answer.
- A lift can carry 1000 kilogrammes.
Jamie has 60 boxes each weighing 15.5 kilogrammes.
Will the lift be able to carry all the boxes?
Give a reason for your answer.