

Monifieth High School

National 4 Applications of Maths: Homework 11

1 Jill's bedroom is 4m long and 3m wide.

Joe's bedroom is 2.5m wide and 5m long.

Whose bedroom has the larger area?

2 A train leaves Edinburgh at 1134 and arrives in Glasgow at 1219. How long does this journey take?

3 A factory will accept bolts from a supplier which are 70mm±2mm long. Which lengths below are acceptable?

71mm 67mm 81mm 61mm 78mm 69mm 70mm 79mm

4 Here are a shop's income and expenditure for a month.

| Income | | Expenditure | |
|---------------|----------|--------------------|----------|
| From sales | £5346.69 | Rent | £600.00 |
| | | Wages | £2200.00 |
| | | New stock | £800.00 |

How much profit did they make this month?

5

| | | |
|-----------------------|---------------------------------|----------------------------|
| Chloe Smith | Payroll 498512 | 30 Sep 2025 |
| Basic Pay £1236.00 | Bonus £75.00 | Gross Pay £_____ |
| Income tax £303.80 | National Insurance £27.50 | Total Deductions £_____ |
| | | Net pay £_____ |

- a) Work out Chloe's gross pay for this month.
- b) Work out Chloe's total deductions for this month.
- c) Work out Chloe's net pay for this month