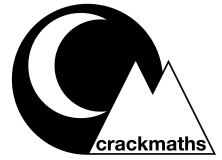


Topics 31 - 35: Exam Style



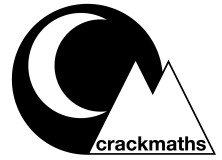
Question 1

A warehouse stacks boxes in square layers. One stack contains $6^2 + 4 \times (15 - 7)$ boxes.

- (a) Work out the total number of boxes in one stack.
- (b) There are 18 identical stacks. Work out the total number of boxes.
- (c) The boxes are shared equally between 12 delivery vans. How many boxes does each van carry?

You must not use a calculator.

Topics 31 - 35: Exam Style

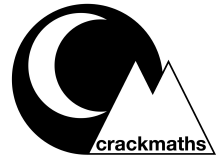


Question 2

A saver puts £4,800 into an account paying 3.5% compound interest each year.

- (a) Work out the value of the savings after 3 years. Give your answer to the nearest penny.
- (b) Work out the total amount of interest earned over the 3 years.
- (c) The saver hoped to earn at least £500 interest. Did the account meet this target? Show how you know.

Topics 31 - 35: Exam Style



Question 3

Jade wants to save £2,340 for a training course. She already has £465 saved.

She has 15 months to save the rest.

- (a) Work out how much more Jade needs to save.
- (b) Work out the equal amount she must save each month.
- (c) Jade decides she can save only £120 each month.

Work out how much she will be short after 15 months.

Topics 31 - 35: Exam Style



Question 4

Item	Quantity	Price each
Desk	4	£186.50
Chair	8	£74.25
Printer	2	£219.99

- (a) Work out the total cost of all the equipment.
- (b) The supplier gives a 10% discount on the total cost.
Work out the discounted price.
- (c) The business pays a £500 deposit and pays the rest in 6 equal instalments. Work out the amount of each instalment.

Topics 31 - 35: Exam Style

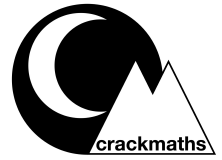


Question 5

Monthly income	Income tax rate
First £1,050	0%
Amount above £1,050	20%

- (a) Work out how much of the employee's £2,650 monthly salary is taxable.
- (b) Work out the income tax paid for the month.
- (c) The employee also pays £132.50 in other deductions. Work out the employee's take-home pay.
- (d) Write the take-home pay as a percentage of the gross salary. Give your answer to 1 decimal place.

Topics 31 - 35: Exam Style



Question 6

A self-employed worker receives £3,750 for a project. They put 18% of the payment aside for tax and 12% aside for business expenses.

- (a) Work out the amount put aside for tax.
- (b) Work out the amount put aside for business expenses.
- (c) Work out the amount remaining after both amounts have been set aside.
- (d) The worker divides the remaining money in the ratio 3 : 2 between household costs and savings. Work out the amount put into savings.