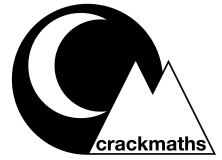


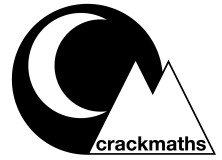
Topics 26 - 30: Exam Style



Question 1

A community project receives a grant of £18,900. The money is shared between equipment, staffing and activities in the ratio 5 : 3 : 2.

- (a) Work out how much money is allocated to each area.
- (b) The project spends 15% less than its equipment allocation. Work out the amount actually spent on equipment.
- (c) Work out how much of the equipment allocation remains.



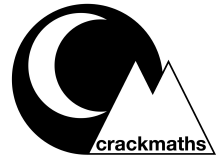
Question 2

A school divides its Year 11 students into three revision groups, A, B and C, in the ratio 4 : 5 : 3.

There are 45 students in Group B.

- (a) Work out the total number of students in the three groups.
- (b) Work out the number of students in Group A.
- (c) Write the number in Group C as a fraction of the total.
Give your fraction in its simplest form.

Topics 26 - 30: Exam Style



Question 3

A paint mixture uses 2.4 litres of blue paint and 6 litres of white paint.

- (a) Write the ratio blue : white in the form 1 : n.
- (b) A decorator uses 3.5 litres of blue paint and keeps the same ratio. Work out how much white paint is needed.



Topics 26 - 30: Exam Style

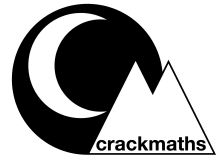


Question 4

Product	Number packed
A	1,260
B	945
C	630

- (a) Write the ratio A : B : C in its simplest form.
- (b) Write the number of Product C as a fraction of the total number packed. Give your fraction in its simplest form.
- (c) Put the three production figures in order from smallest to largest.

Topics 26 - 30: Exam Style



Question 5

A leisure centre charges £7.50 per person for a swimming session. A group books for 18 people and also hires 3 lockers at £2.40 each.

The group has a voucher worth £25.

(a) Use the calculation below to work out the amount the group must pay:

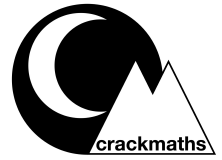
$$18 \times 7.50 + 3 \times 2.40 - 25$$

(b) The organiser calculates $(18 \times 7.50 + 3) \times 2.40 - 25$.

Explain why this gives the wrong amount.

(c) The correct total is shared equally between 5 people who are paying for the booking. Work out how much each person pays.

Topics 26 - 30: Exam Style



Question 6

A charity sells adult and child tickets for an event. Adult tickets cost £12 and child tickets cost £7.

It sells 84 adult tickets and 56 child tickets.

- (a) Write the ratio of adult tickets to child tickets in its simplest form.
- (b) Work out the total income from ticket sales.
- (c) The charity keeps $\frac{3}{4}$ of the income and donates the rest. Work out the amount donated.